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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:27:41 ; Search time 15.5 Seconds
(without alignments)
49.961 Million cell updates/sec

Title: US-09-308-027a-142

Perfect score: 76

Sequence: 1 KLTSKGIASCLNDN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A.COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B.COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A.COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B.COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCTUS.COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	27	35.5	15	US-09-248-574A-4	Sequence 4, Appli
2	27	35.5	15	US-09-929-962-4	Sequence 4, Appli
3	27	35.5	15	US-09-503-632-4	Sequence 4, Appli
4	26.5	34.9	15	US-08-482-228-24	Sequence 24, Appli
5	26.5	34.9	15	US-08-482-528-24	Sequence 24, Appli
6	26	34.2	8	US-08-930-741-9	Sequence 9, Appli
7	26	34.2	11	US-08-633-148-6	Sequence 6, Appli
8	26	34.2	12	US-10-158-847-97	Sequence 97, Appli
9	26	34.2	14	US-09-823-823-77	Sequence 77, Appli
10	25	32.9	6	US-09-187-859-984	Sequence 984, App
11	25	32.9	6	US-09-187-859-2241	Sequence 2241, Ap
12	25	32.9	6	US-09-839-542B-984	Sequence 984, App
13	25	32.9	6	US-09-839-542B-2241	Sequence 2241, Ap
14	25	32.9	7	US-09-187-859-987	Sequence 987, App
15	25	32.9	7	US-09-187-859-2244	Sequence 2244, Ap
16	25	32.9	7	US-09-839-542B-987	Sequence 987, App
17	25	32.9	7	US-09-839-542B-2244	Sequence 2244, Ap
18	25	32.9	8	US-09-187-859-990	Sequence 990, App
19	25	32.9	8	US-09-187-859-2247	Sequence 2247, Ap
20	25	32.9	8	US-09-839-542B-990	Sequence 990, App
21	25	32.9	8	US-09-839-542B-2247	Sequence 2247, Ap
22	25	32.9	9	US-09-258-754-330	Sequence 330, App
23	25	32.9	9	US-09-042-107-330	Sequence 330, App
24	25	32.9	9	US-09-722-250D-330	Sequence 330, App
25	25	32.9	10	US-09-443-199C-1219	Sequence 1219, Ap
26	25	32.9	11	US-08-326-352-1	Sequence 1, Appli
27	25	32.9	11	US-08-404-607-1	Sequence 1, Appli

28 25 32.9 13 6 5200320-38
29 25 32.9 14 5 PCT-US93-06751-77
30 25 32.9 15 6 5196511-25
31 24 31.6 8 1 US-08-329-820-203
32 24 31.6 9 1 US-08-214-650-20
33 24 31.6 9 1 US-08-329-820-205
34 24 31.6 10 1 US-08-329-820-208
35 24 31.6 10 2 US-08-350-260A-483
36 24 31.6 10 4 US-09-104-337A-483
37 24 31.6 11 1 US-08-179-481-10
38 24 31.6 11 1 US-08-329-820-212
39 24 31.6 11 4 US-09-380-836-13
40 24 31.6 11 4 US-09-380-836-15
41 24 31.6 12 1 US-08-329-820-213
42 24 31.6 12 2 US-08-564-063-7
43 24 31.6 12 4 US-09-224-048A-10
44 24 31.6 13 1 US-08-329-820-214
45 24 31.6 13 2 US-08-484-905-23

ALIGNMENTS

RESULT 1

US-09-248-574A-4
; Sequence 4, Application US/09248574A
; Patent No. 6303321
; GENERAL INFORMATION:
; APPLICANT: Tracey, Kevin. et al.
; TITLE OF INVENTION: Antagonists of HMGI for Treating Inflammatory Conditions
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVIS WRIGHT TREMAINE
; STREET: 1501 Fourth Avenue 2600 Century Square
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: PC compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/248,574A
; FILING DATE: 11 February 1999
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Oster, Jeffrey B.
; REGISTRATION NUMBER: 32,585
; REFERENCE/DOCKET NUMBER: 1201
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206 628 7711
; TELEFAX: 206 628 7699
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: HMGI N terminus
US-09-248-574A-4

Query Match 35.5%; Score 27; DB 4; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.5e-02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 KLTSKGIASC 11

Db 6 KKPRGKMSC 15

RESULT 2

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US-09-929-962-4
; Sequence 4, Application US/09929962
; Patent No. 648223
; GENERAL INFORMATION:
; APPLICANT: Tracey, Kevin, et al.
; TITLE OF INVENTION: Antagonists of HMGI for Treating Inflammatory
; Conditions
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVIS WRIGHT TREMAINE
; STREET: 1501 Fourth Avenue 2600 Century Square
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; MEDIUM TYPE: Floppy disk
; COMPUTER: PC compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/929,962
; FILING DATE: 15-AUG-2001
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/248,574
; FILING DATE: 11 February 1999
; ATTORNEY/AGENT INFORMATION:
; NAME: Oster, Jeffrey B.
; REGISTRATION NUMBER: 32,585
; REFERENCE/DOCKET NUMBER: 1201
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206 628 7711
; TELEFAX: 206 628 7699
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: HMGI N terminus
;
; QUERY MATCH
; Best Local Similarity 35.5%; Score 27; DB 4; Length 15;
; Mismatches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
;
; QY 2 KLTSKGIASC 11
; DB 6 KKPRGKMSC 15
;
; RESULT 3
US-09-503-632-4
; Sequence 4, Application US/09503632
; Patent No. 6468533
; GENERAL INFORMATION:
; APPLICANT: THE PICOWER INSTITUTE FOR MEDICAL RESEARCH
; TITLE OF INVENTION: Antagonists of HMGI for Treating
; Inflammatory Conditions
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVIS WRIGHT TREMAINE
; STREET: 1501 Fourth Avenue 2600 Century Square
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; MEDIUM TYPE: Floppy disk
; COMPUTER: PC compatible
; OPERATING SYSTEM: Windows95
;
; QUERY MATCH
; Best Local Similarity 35.5%; Score 27; DB 4; Length 15;
; Mismatches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
;
; QY 2 KLTSKGIASC 11
; DB 6 KKPRGKMSC 15
;
; RESULT 4
US-08-482-228-24
; Sequence 24, Application US/08482228
; Patent No. 5968753
; GENERAL INFORMATION:
; APPLICANT: Teeng-Law, Janet
; APPLICANT: Kobori, Joan A.
; APPLICANT: Al-Abdaly, Fahad A.
; APPLICANT: Guillermo, Roy
; APPLICANT: Helgeson, Sam L.
; APPLICANT: Deans, Robert J.
; TITLE OF INVENTION: POSITIVE AND NEGATIVE/NEGATIVE CELL
; SELECTION MEDIATED BY PEPTIDE RELEASE
; NUMBER OF SEQUENCES: 215
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janice Guthrie, Ph.D.
; STREET: P.O. Box 15210
; CITY: Irvine
; STATE: California
; COUNTRY: USA
; ZIP: 92713-5210
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482,228
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Guthrie, Janice
; REGISTRATION NUMBER: 35,170
; REFERENCE/DOCKET NUMBER: IT-4630CIF3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (714) 440-5353
; TELEFAX: (714) 553-1952
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

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US-08-482-228-24

Query Match 34.9%; Score 26.5; DB 2; Length 15;
Best Local Similarity 46.7%; Pred. No. 1.9e+02;
Matches 7; Conservative 1; Mismatches 4; Indels 3; Gaps 1;

QY 1 LKLTSGKIASCLNDN 15
:|||||---ICLEQN 13
DB 2 VKLTQG---ICLEQN 13

RESULT 5

US-08-482-528-24
; Sequence 24, Application US/08482528
; Patent No. 6017719
; GENERAL INFORMATION:
; APPLICANT: Tseng-Law, Janet
; APPLICANT: Kobori, Joan A.
; APPLICANT: Al-Abdaly, Fahad A.
; APPLICANT: Guillermo, Roy
; APPLICANT: Helgeson, Sam L.
; APPLICANT: Deans, Robert J.
; TITLE OF INVENTION: POSITIVE AND POSITIVE/NEGATIVE CELL
; TITLE OF INVENTION: SELECTION MEDIATED BY PEPTIDE RELEASE
; NUMBER OF SEQUENCES: 215
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janice Guthrie, Ph.D.
; STREET: P.O. Box 15210
; CITY: Irvine
; STATE: California
; COUNTRY: USA
; ZIP: 92713-5210

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482,528
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Guthrie, Janice
; REGISTRATION NUMBER: 35,170
; REFERENCE/DOCKET NUMBER: IT-4630CIP4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (714) 440-5353
; TELEFAX: (714) 553-1952
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-08-482-528-24

Query Match 34.9%; Score 26.5; DB 3; Length 15;
Best Local Similarity 46.7%; Pred. No. 1.9e+02;
Matches 7; Conservative 1; Mismatches 4; Indels 3; Gaps 1;

QY 1 LKLTSGKIASCLNDN 15
:|||||---ICLEQN 13
DB 2 VKLTQG---ICLEQN 13

RESULT 6

US-08-930-741-9
; Sequence 9, Application US/08930741
; Patent No. 6034064
; GENERAL INFORMATION:
; APPLICANT: Yamagata, No. 6034064yuyuki
; APPLICANT: Ogata, Kenji
; APPLICANT: Wagatsuma, Masako

; APPLICANT: Takanashi, Hitoshi
; TITLE OF INVENTION: Peptide and Therapeutic Agent for
; TITLE OF INVENTION: Autoimmune Diseases Containing the Same
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner L.L.P.
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/930,741
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Jensen, Allen R
; REGISTRATION NUMBER: 28,224
; REFERENCE/DOCKET NUMBER: 02481.1560-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-930-741-9

Query Match 34.2%; Score 26; DB 3; Length 8;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 KLTSGK 7
:|||||
DB 2 KLTACK 7

RESULT 7

US-08-633-148-6
; Sequence 6, Application US/08633148
; Patent No. 5864018
; GENERAL INFORMATION:
; APPLICANT: MORSE, MICHAEL J.
; APPLICANT: NAGASHIMA, MARIKO
; APPLICANT: HOLLANDER, MORIS A.
; TITLE OF INVENTION: ANTIBODIES TO ADVANCED GLYCOSYLATION
; TITLE OF INVENTION: END-PRODUCT RECEPTOR POLYPEPTIDES AND USES THEREFOR
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND & TOWNSEND & CREW LLP
; STREET: TWO EMBARCADERO CENTER, 8TH FLOOR
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: U.S.A.
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/633,148
; FILING DATE: 16-APR-1996
; CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: MURPHY ESQ., MATTHEW B.
REGISTRATION NUMBER: 39,787
REFERENCE/DOCKET NUMBER: 014618-005600US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-633-148-6

Query Match 34.2%; Score 26; DB 2; Length 11;
Best Local Similarity 40.0%; Pred. No. 1.6e+02;
Matches 4; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 2 KLTSGKIASC 11
Db 2 KLNTGRTEAC 11

RESULT 8
US-10-158-847-97
Sequence 97, Application US/10158847
Patent No. 6592865
GENERAL INFORMATION:
APPLICANT: Tcm Parry et al.
TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
FILE REFERENCE: PF557
CURRENT APPLICATION NUMBER: US/10/158,847
CURRENT FILING DATE: 2002-05-03
PRIOR APPLICATION NUMBER: 60/295,004
PRIOR FILING DATE: 2001-06-04
NUMBER OF SEQ ID NOS: 158
SOFTWARE: PatentIn version 3.1
SEQ ID NO 97
LENGTH: 12
TYPE: PRT
ORGANISM: homo sapiens
US-10-158-847-97

Query Match 34.2%; Score 26; DB 4; Length 12;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 11 CLNDN 15
Db 4 CLNDD 8

RESULT 9
US-09-823-823-77
Sequence 77, Application US/09823823
Patent No. 6635904
GENERAL INFORMATION:
APPLICANT: Yamamoto, Satoshi
APPLICANT: Kasai, Hi-roaki
APPLICANT: Nakamura, Shoko
APPLICANT: Suzuki, Makoto
APPLICANT: Hamada, Tohru
TITLE OF INVENTION: METHOD FOR IDENTIFICATION AND DETECTION OF MICROORGANISMS USING
FILE REFERENCE: 12817-004001
CURRENT APPLICATION NUMBER: US/09/823,823
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: US 09/208,688
PRIOR FILING DATE: 1998-12-10
PRIOR APPLICATION NUMBER: JP 97/343316
PRIOR FILING DATE: 1997-12-12

NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 2.0
SEQ ID NO 77
LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Xaa at position 9 = Ser or Gln; Xaa at position 10 = Ser or Glu;
OTHER INFORMATION: position 11 = Lys or Arg; Xaa at position 14 = Ala or Ser
US-09-823-823-77

Query Match 34.2%; Score 26; DB 4; Length 14;
Best Local Similarity 66.7%; Pred. No. 2.1e+02;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 6 KGIASC 11
Db 3 GKLAADC 8

RESULT 10
US-09-187-859-984
Sequence 984, Application US/09187859A
Patent No. 6358920
GENERAL INFORMATION:
APPLICANT: Blaschuk, Orest W.
APPLICANT: Gour, Barbara J.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
FILE REFERENCE: 100086.407C1
CURRENT APPLICATION NUMBER: US/09/187,859A
CURRENT FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 4052
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 984
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Representative cyclic modulating agent based on
OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-984

Query Match 32.9%; Score 25; DB 4; Length 6;
Best Local Similarity 60.0%; Pred. No. 3e+05;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 11 CLNDN 15
Db 1 CINEN 5

RESULT 11
US-09-187-859-2241
Sequence 2241, Application US/09187859A
Patent No. 6358920
GENERAL INFORMATION:
APPLICANT: Blaschuk, Orest W.
APPLICANT: Gour, Barbara J.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
FILE REFERENCE: 100086.407C1
CURRENT APPLICATION NUMBER: US/09/187,859A
CURRENT FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 4052
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2241
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Representative cyclic modulating agent based on
OTHER INFORMATION: T-cadherin cell adhesion recognition sequence

US-09-187-859-2241

Query Match 32.9%; Score 25; DB 4; Length 6;
Best Local Similarity 60.0%; Pred. No. 3e+05;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15
|:|:
Db 1 CINEN 5

RESULT 12

US-09-839-542B-984
; Sequence 984, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 984
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-984

Query Match 32.9%; Score 25; DB 4; Length 6;
Best Local Similarity 60.0%; Pred. No. 3e+05;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15
|:|:
Db 1 CINEN 5

RESULT 13

US-09-839-542B-2241
; Sequence 2241, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2241
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: T-cadherin cell adhesion recognition sequence
US-09-839-542B-2241

Query Match 32.9%; Score 25; DB 4; Length 6;
Best Local Similarity 60.0%; Pred. No. 3e+05;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15

Db |:|:
1 CINEN 5

RESULT 14

US-09-187-859-987
; Sequence 987, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 987
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-987

Query Match 32.9%; Score 25; DB 4; Length 7;
Best Local Similarity 60.0%; Pred. No. 3e+05;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15
|:|:
Db 1 CINEN 5

RESULT 15

US-09-187-859-2244
; Sequence 2244, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2244
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: T-cadherin cell adhesion recognition sequence
US-09-187-859-2244

Query Match 32.9%; Score 25; DB 4; Length 7;
Best Local Similarity 60.0%; Pred. No. 3e+05;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15
|:|:
Db 1 CINEN 5

Search completed: April 29, 2004, 10:35:27
Job time : 15.5 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 10:34:14 ; Search time 36.5 seconds
(without alignments)
113.914 Million cell updates/sec

Title: US-09-308-027A-142

Perfect score: 76

Sequence: 1 LKLTSGKIASCLNDN 15

Scoring table: BL0SUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications RA:*

- 1: /cgn2_6/ptodata/2/pubaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	ID	Description
1	76	100.0	15	14	US-10-354-240-153	Sequence 153, App
2	54	71.1	10	14	US-10-216-484-46	Sequence 46, Appl
3	54	71.1	10	14	US-10-364-933-46	Sequence 46, Appl
4	54	71.1	15	14	US-10-354-240-154	Sequence 154, App
5	45	59.2	12	14	US-10-354-240-6	Sequence 6, Appl
6	45	59.2	15	14	US-10-354-240-152	Sequence 152, App
7	34	44.7	10	9	US-09-780-053-209	Sequence 209, App
8	31	40.8	15	14	US-10-354-240-155	Sequence 155, App
9	29	38.2	10	9	US-09-780-053-478	Sequence 478, App
10	29	38.2	10	9	US-09-780-053-598	Sequence 598, App
11	29	38.2	10	9	US-09-780-053-703	Sequence 703, App
12	29	38.2	14	10	US-09-991-225-59	Sequence 59, Appl
13	29	38.2	14	10	US-09-991-225-71	Sequence 71, Appl
14	29	38.2	14	12	US-10-369-405-59	Sequence 59, Appl
15	29	38.2	14	12	US-10-369-405-71	Sequence 71, Appl

16	27	35.5	9	15	US-10-448-521-41	Sequence 41, Appl
17	27	35.5	9	15	US-10-448-521-42	Sequence 42, Appl
18	27	35.5	10	10	US-09-573-822C-121	Sequence 121, Appl
19	27	35.5	14	10	US-09-991-225-26	Sequence 26, Appl
20	27	35.5	14	10	US-09-991-225-45	Sequence 45, Appl
21	27	35.5	14	12	US-10-369-405-26	Sequence 26, Appl
22	27	35.5	14	12	US-10-369-405-45	Sequence 45, Appl
23	27	35.5	14	15	US-10-285-394-174	Sequence 174, Appl
24	27	35.5	15	12	US-10-210-747-4	Sequence 4, Appl
25	27	35.5	15	14	US-10-300-088-4	Sequence 4, Appl
26	26	34.2	9	9	US-09-780-053-663	Sequence 663, App
27	26	34.2	10	9	US-09-780-053-104	Sequence 104, App
28	26	34.2	10	9	US-09-780-053-495	Sequence 495, App
29	26	34.2	10	9	US-09-780-053-611	Sequence 611, App
30	26	34.2	10	9	US-09-780-053-683	Sequence 683, App
31	26	34.2	10	9	US-09-780-053-714	Sequence 714, App
32	26	34.2	10	10	US-09-572-404B-197	Sequence 197, App
33	26	34.2	12	14	US-10-158-847-97	Sequence 97, Appl
34	26	34.2	12	14	US-10-158-825-97	Sequence 97, Appl
35	26	34.2	12	14	US-10-231-417-607	Sequence 607, App
36	26	34.2	13	14	US-10-133-172-18	Sequence 18, Appl
37	26	34.2	14	9	US-09-823-823-77	Sequence 77, Appl
38	26	34.2	14	9	US-09-823-823-77	Sequence 77, Appl
39	26	34.2	14	13	US-10-082-815-19	Sequence 19, Appl
40	25	32.9	6	14	US-10-006-869-984	Sequence 984, App
41	25	32.9	6	14	US-10-006-869-2241	Sequence 2241, App
42	25	32.9	6	15	US-10-395-032-984	Sequence 984, App
43	25	32.9	6	15	US-10-395-032-2241	Sequence 2241, App
44	25	32.9	7	14	US-10-006-869-987	Sequence 987, App
45	25	32.9	7	14	US-10-006-869-2244	Sequence 2244, App

ALIGNMENTS

RESULT 1

US-10-354-240-153
; Sequence 153, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiho
; APPLICANT: Kino, Kousuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 153
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 70
US-10-354-240-153

Query Match 100.0%; Score 76; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e-06; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0;

QY 1 LKLTSGKIASCLNDN 15

DB 1 LKLTSGKIASCLNDN 15

RESULT 2

US-10-216-484-46
; Sequence 46, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haryuyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US/09/53,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 46
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-216-484-46

Query Match 71.1%; Score 54; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0069;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GKIASCLNDN 15
| | | | | | | | | |
DB 1 GKIASCLNDN 10

RESULT 3

US-10-384-933-46
; Sequence 46, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haryuyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 46
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-384-933-46

Query Match 71.1%; Score 54; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0069;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GKIASCLNDN 15
| | | | | | | | | |
DB 1 GKIASCLNDN 10

RESULT 4

US-10-354-240-154
; Sequence 154, Application US/10354240
; Publication No. US20030185847A1

; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 154
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 71
US-10-354-240-154

Query Match 71.1%; Score 54; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GKIASCLNDN 15
| | | | | | | | | |
DB 1 GKIASCLNDN 10

RESULT 5

US-10-354-240-6
; Sequence 6, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-6

Query Match 59.2%; Score 45; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.33;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LKLTSGKIAS 10
| | | | | | | | | |
DB 3 LKLTSGKIAS 12

RESULT 6

US-10-354-240-152
; Sequence 152, Application US/10354240

Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354,240
 PRIOR FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 152
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)-(15)
 OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 69
 US-10-354-240-152

Query Match 59.2%; Score 45; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.43;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LKLTSGKIAS 10
 DB 6 LKLTSGKIAS 15

RESULT 7

US-09-780-053-209
 Sequence 209, Application US/09780053
 Patent No. US20020102640A1
 GENERAL INFORMATION:
 APPLICANT: Rene S. Hubert
 APPLICANT: Daniel E.H. Afar
 APPLICANT: Pia M. Challita-Bid
 APPLICANT: Mary Paris
 APPLICANT: Elana Levin
 APPLICANT: Steve Chappell Mitchell
 APPLICANT: Aya Jakobovits
 TITLE OF INVENTION: 83P5G4: A TISSUE SPECIFIC PROTEIN
 TITLE OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER
 FILE REFERENCE: 129.SUSU1
 CURRENT APPLICATION NUMBER: US/09/780,053
 CURRENT FILING DATE: 2001-02-09
 PRIOR APPLICATION NUMBER: 60/181,261
 PRIOR FILING DATE: 2000-02-09
 NUMBER OF SEQ ID NOS: 716
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 209
 LENGTH: 10
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-09-780-053-209

Query Match 44.7%; Score 34; DB 9; Length 10;
 Best Local Similarity 66.7%; Pred. No. 24;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 KIATCLNDN 15
 DB 1 KIATCSDDN 9

RESULT 8

US-10-354-240-155
 Sequence 155, Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT APPLICATION NUMBER: US/10/354,240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 155
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)-(15)
 OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 72
 US-10-354-240-155

Query Match 40.8%; Score 31; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 1.3e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15
 DB 1 CLNDN 5

RESULT 9

US-09-780-053-498
 Sequence 498, Application US/09780053
 Patent No. US20020102640A1
 GENERAL INFORMATION:
 APPLICANT: Rene S. Hubert
 APPLICANT: Daniel E.H. Afar
 APPLICANT: Pia M. Challita-Bid
 APPLICANT: Mary Paris
 APPLICANT: Elana Levin
 APPLICANT: Steve Chappell Mitchell
 APPLICANT: Aya Jakobovits
 TITLE OF INVENTION: 83P5G4: A TISSUE SPECIFIC PROTEIN
 TITLE OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER
 FILE REFERENCE: 129.SUSU1
 CURRENT APPLICATION NUMBER: US/09/780,053
 CURRENT FILING DATE: 2001-02-09
 PRIOR APPLICATION NUMBER: 60/181,261
 PRIOR FILING DATE: 2000-02-09
 NUMBER OF SEQ ID NOS: 716
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 498
 LENGTH: 10
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-09-780-053-498

Query Match 38.2%; Score 29; DB 9; Length 10;
 Best Local Similarity 62.5%; Pred. No. 1.8e+02;
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 IATCLNDN 15
 DB 1 IATCSDDN 8

RESULT 10
 US-09-780-053-578
 ; Sequence 578, Application US/09780053
 ; Patent No. US20020102640A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rene S. Hubert
 ; APPLICANT: Daniel E.H. Afar
 ; APPLICANT: Pia M. Chailita-Eid
 ; APPLICANT: Mary Faris
 ; APPLICANT: Elana Levin
 ; APPLICANT: Steve Chappell Mitchell
 ; APPLICANT: Aya Jakobovits
 ; TITLE OF INVENTION: 83P504: A TISSUE SPECIFIC PROTEIN
 ; TITLE OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER
 ; FILE REFERENCE: 129.5USU1
 ; CURRENT APPLICATION NUMBER: US/09/780,053
 ; CURRENT FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: 60/181,261
 ; PRIOR FILING DATE: 2000-02-09
 ; NUMBER OF SEQ ID NOS: 716
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 578
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Homo Sapiens
 US-09-780-053-578

Query Match 38.2%; Score 29; DB 9; Length 10;
 Best Local Similarity 62.5%; Pred. No. 1.8e+02;
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 IASCLNDN 15
 |||: |||
 Db 1 IATCSDDN 8

RESULT 11
 US-09-780-053-703
 ; Sequence 703, Application US/09780053
 ; Patent No. US20020102640A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rene S. Hubert
 ; APPLICANT: Daniel E.H. Afar
 ; APPLICANT: Pia M. Chailita-Eid
 ; APPLICANT: Mary Faris
 ; APPLICANT: Elana Levin
 ; APPLICANT: Steve Chappell Mitchell
 ; APPLICANT: Aya Jakobovits
 ; TITLE OF INVENTION: 83P504: A TISSUE SPECIFIC PROTEIN
 ; TITLE OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER
 ; FILE REFERENCE: 129.5USU1
 ; CURRENT APPLICATION NUMBER: US/09/780,053
 ; CURRENT FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: 60/181,261
 ; PRIOR FILING DATE: 2000-02-09
 ; NUMBER OF SEQ ID NOS: 716
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 703
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Homo Sapiens
 US-09-780-053-703

Query Match 38.2%; Score 29; DB 9; Length 10;
 Best Local Similarity 62.5%; Pred. No. 1.8e+02;
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 IASCLNDN 15
 |||: |||
 Db 1 IATCSDDN 8

RESULT 12
 US-09-991-225-59
 ; Sequence 59, Application US/09991225
 ; Publication No. US20030153063A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMV11, EXPRESSED H
 ; TITLE OF INVENTION: HEART AND VARIANTS THEREOF
 ; FILE REFERENCE: D0075.NP
 ; CURRENT APPLICATION NUMBER: US/09/991,225
 ; CURRENT FILING DATE: 2001-11-16
 ; PRIOR APPLICATION NUMBER: 60/249,613
 ; PRIOR FILING DATE: 2000-11-17
 ; PRIOR APPLICATION NUMBER: 60/257,611
 ; PRIOR FILING DATE: 2000-12-21
 ; PRIOR APPLICATION NUMBER: 60/305,818
 ; PRIOR FILING DATE: 2001-07-16
 ; NUMBER OF SEQ ID NOS: 81
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 59
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-991-225-59

Query Match 38.2%; Score 29; DB 10; Length 14;
 Best Local Similarity 45.5%; Pred. No. 2.7e+02;
 Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 SGKIASCLNDN 15
 |||: |||
 Db 1 NGSVTSCLN 11

RESULT 13
 US-09-991-225-71
 ; Sequence 71, Application US/09991225
 ; Publication No. US20030153063A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMV11, EXPRESSED H
 ; TITLE OF INVENTION: HEART AND VARIANTS THEREOF
 ; FILE REFERENCE: D0075.NP
 ; CURRENT APPLICATION NUMBER: US/09/991,225
 ; CURRENT FILING DATE: 2001-11-16
 ; PRIOR APPLICATION NUMBER: 60/249,613
 ; PRIOR FILING DATE: 2000-11-17
 ; PRIOR APPLICATION NUMBER: 60/257,611
 ; PRIOR FILING DATE: 2000-12-21
 ; PRIOR APPLICATION NUMBER: 60/305,818
 ; PRIOR FILING DATE: 2001-07-16
 ; NUMBER OF SEQ ID NOS: 81
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 71
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-991-225-71

Query Match 38.2%; Score 29; DB 10; Length 14;
 Best Local Similarity 45.5%; Pred. No. 2.7e+02;
 Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 SGKIASCLNDN 15
 |||: |||
 Db 1 NGSVTSCLN 11

RESULT 14
 US-10-369-405-59
 ; Sequence 59, Application US/10369405
 ; Publication No. US20030224400A1
 ; GENERAL INFORMATION:

Thu Apr 29 11:08:44 2004

; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRMY11, AND VARIANTS
 ; FILE REFERENCE: D0075A CIP
 ; CURRENT APPLICATION NUMBER: US/10/369,405
 ; CURRENT FILING DATE: 2003-02-14
 ; PRIOR APPLICATION NUMBER: U.S. 60/249,613
 ; PRIOR FILING DATE: 2000-11-17
 ; PRIOR APPLICATION NUMBER: U.S. 09/991,225
 ; PRIOR FILING DATE: 2001-11-16
 ; PRIOR APPLICATION NUMBER: U.S. 60/257,611
 ; PRIOR FILING DATE: 2000-12-21
 ; PRIOR APPLICATION NUMBER: U.S. 60/305,818
 ; PRIOR FILING DATE: 2001-07-16
 ; NUMBER OF SEQ ID NOS: 94
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 59
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-369-405-59

Query Match 38.2%; Score 29; DB 12; Length 14;
 Best Local Similarity 45.5%; Pred. No. 2.7e+02;
 Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 SGKIASCLNDN 15
 :||: ||||
 Db 1 NGSVTSCLELN 11

RESULT 15
 US-10-369-405-71
 ; Sequence 71, Application US/10369405
 ; Publication No. US2003024400A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRMY11, AND VARIANTS
 ; FILE REFERENCE: D0075A CIP
 ; CURRENT APPLICATION NUMBER: US/10/369,405
 ; CURRENT FILING DATE: 2003-02-14
 ; PRIOR APPLICATION NUMBER: U.S. 60/249,613
 ; PRIOR FILING DATE: 2000-11-17
 ; PRIOR APPLICATION NUMBER: U.S. 09/991,225
 ; PRIOR FILING DATE: 2001-11-16
 ; PRIOR APPLICATION NUMBER: U.S. 60/257,611
 ; PRIOR FILING DATE: 2000-12-21
 ; PRIOR APPLICATION NUMBER: U.S. 60/305,818
 ; PRIOR FILING DATE: 2001-07-16
 ; NUMBER OF SEQ ID NOS: 94
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 71
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-369-405-71

Query Match 38.2%; Score 29; DB 12; Length 14;
 Best Local Similarity 45.5%; Pred. No. 2.7e+02;
 Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 SGKIASCLNDN 15
 :||: ||||
 Db 1 NGSVTSCLELN 11

Search completed: April 29, 2004, 10:43:12
 Job time : 37.5 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:27:41 ; Search time 15.5 Seconds
(without alignments)
49.961 Million cell updates/sec

Title: US-09-308-027A-23

Perfect score: 67
Sequence: 1 LSDISLKLTSKIA 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
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4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	27	40.3	12	1	US-07-748-783-8
2	27	40.3	12	1	US-08-166-818-8
3	26	38.8	8	3	US-08-930-741-9
4	26	38.8	10	4	US-09-187-859-2964
5	26	38.8	10	4	US-09-839-542B-2964
6	26	38.8	15	4	US-09-647-372B-78
7	25	37.3	14	5	PCT-US93-06751-77
8	25	37.3	15	1	US-08-270-314-1
9	25	37.3	15	4	US-08-225-302-1
10	25	37.3	15	4	US-08-671-548C-71
11	25	37.3	15	4	US-08-671-548C-72
12	25	37.3	15	4	US-08-957-135-1
13	25	37.3	15	6	5196511-25
14	24	35.8	10	2	US-08-350-260A-483
15	24	35.8	10	4	US-08-104-337A-483
16	23	34.3	7	3	US-08-930-741-10
17	23	34.3	8	3	US-08-930-741-2
18	23	34.3	8	3	US-08-930-741-7
19	23	34.3	9	3	US-08-930-741-1
20	23	34.3	13	1	US-08-212-433A-5
21	23	34.3	13	3	US-08-716-256-5
22	23	34.3	13	5	PCT-US95-03239-5
23	23	34.3	14	2	US-09-133-774-3
24	23	34.3	14	3	US-09-303-862-3
25	23	34.3	15	1	US-07-720-189-5
26	23	34.3	15	1	US-08-240-514-49
27	23	34.3	15	2	US-08-612-302A-49

28 23 34.3 15 2 US-08-824-151-3 Sequence 3, Appli
29 23 34.3 15 2 US-08-824-151-4 Sequence 4, Appli
30 23 34.3 15 2 US-08-592-646A-42 Sequence 42, Appl
31 23 34.3 15 4 US-09-165-422-42 Sequence 42, Appl
32 22 32.8 7 3 US-09-173-941-75 Sequence 75, Appl
33 22 32.8 7 4 US-09-494-190-75 Sequence 75, Appl
34 22 32.8 8 1 US-08-237-418-7 Sequence 7, Appl
35 22 32.8 8 3 US-08-468-337-7 Sequence 7, Appl
36 22 32.8 8 4 US-09-758-318-7 Sequence 7, Appl
37 22 32.8 10 4 US-09-187-859-879 Sequence 879, App
38 22 32.8 10 4 US-09-187-859-1504 Sequence 1504, Ap
39 22 32.8 10 4 US-09-187-859-2775 Sequence 2775, Ap
40 22 32.8 10 4 US-09-187-859-3940 Sequence 3940, Ap
41 22 32.8 10 4 US-09-308-927-289 Sequence 289, App
42 22 32.8 10 4 US-09-839-542B-879 Sequence 879, App
43 22 32.8 10 4 US-09-839-542B-1504 Sequence 1504, Ap
44 22 32.8 10 4 US-09-839-542B-2775 Sequence 2775, Ap
45 22 32.8 10 4 US-09-839-542B-3940 Sequence 3940, Ap

ALIGNMENTS

RESULT 1
US-07-748-783-8
; Sequence 8, Application US/07748783
; Patent No. 5314951
; GENERAL INFORMATION:
; APPLICANT: Oka, Satoru
; APPLICANT: Ono, Kazuhisa
; APPLICANT: Shigetata, Seiko
; TITLE OF INVENTION: Recombinant Mite Allergen
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: 301 N. Washington St.
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22046-3487
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07748,783
; FILING DATE: 19910822
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 1422-110P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-748-783-8

Query Match 40.3%; Score 27; DB 1; Length 12;
Best Local Similarity 50.0%; Pred. No. 73;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 3 DISLKLTSKIA 14

DB 1 DVELSLRSDIA 12

RESULT 2
US-08-166-818-8
; Sequence 8, Application US/08166818
; Patent No. 5405758
; GENERAL INFORMATION:
; APPLICANT: Oka, Satoru
; APPLICANT: Ono, Kazuhisa
; APPLICANT: Shigeta, Seiko
; APPLICANT: Wada, Takeshi
; TITLE OF INVENTION: Recombinant Mite Allergen
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: P.O. Box 747
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/166,818
; FILING DATE: 15-December-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 1422-110P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-166-818-8
Query Match 40.3%; Score 27; DB 1; Length 12;
Best Local Similarity 50.0%; Pred. No. 73;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;
QY 3 DISLKTSGKIA 14
Db 1 DVELSLRSSDIA 12

RESULT 3
US-08-930-741-9
; Sequence 9, Application US/08930741
; Patent No. 6034064
; GENERAL INFORMATION:
; APPLICANT: Yamagata, No. 6034064uyuki
; APPLICANT: Ogata, Kenji
; APPLICANT: Magatsuma, Masako
; APPLICANT: Takahashi, Hitoshi
; TITLE OF INVENTION: Peptide and Therapeutic Agent for
; TITLE OF INVENTION: Autoimmune Diseases Containing the Same
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Duner L.L.P.
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/930,741
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Jensen, Allen R.
; REGISTRATION NUMBER: 28,224
; REFERENCE/DOCKET NUMBER: 02481.1560-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-930-741-9
Query Match 38.8%; Score 25; DB 3; Length 8;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 7 KLTSGK 12
Db 2 KLTACK 7

RESULT 4
US-09-187-859-2964
; Sequence 2964, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2964
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: Protocadherin cell adhesion recognition sequence
US-09-187-859-2964
Query Match 38.8%; Score 26; DB 4; Length 10;
Best Local Similarity 50.0%; Pred. No. 91;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
QY 3 DISLKTSGK 12
Db 1 DFDLDTGK 10

RESULT 5
US-09-839-542B-2964
; Sequence 2964, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew


```

; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2964
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: Protocadherin cell adhesion recognition sequence
US-09-839-542B-2964

```

```

Query Match      38.8%; Score 26; DB 4; Length 10;
Best Local Similarity 50.0%; Pred. No. 91;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

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QY      3 DISLKTSGK 12
DB      1 DFALDLVTGK 10

```

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RESULT 6
US-09-647-372B-78
; Sequence 78, Application US/09647372B
; Patent No. 5673770
; GENERAL INFORMATION:
; APPLICANT: Upitser B.V.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR THE TREATMENT, PROPHYLAXIS, DIAGNOSIS AND MONI
; TITLE OF INVENTION: OF AUTOIMMUNE DISEASES
; FILE REFERENCE: Q61032
; CURRENT APPLICATION NUMBER: US/09/647,372B
; CURRENT FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: PCT/NL99/00189
; PRIOR FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: EP 98200993.8
; PRIOR FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-647-372B-78

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```

Query Match      38.8%; Score 26; DB 4; Length 15;
Best Local Similarity 54.5%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

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QY      5 SLKLTSGKIAS 15
DB      3 SLKSVNGQIES 13

```

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RESULT 7
PCT-US93-06751-77
; Sequence 77, Application PC/TUS9306751
; GENERAL INFORMATION:
; APPLICANT: P. Keller, A. J. Conley, A.R. Shaw, B.A. Arnold
; TITLE OF INVENTION: Immunological Conjugates of OmpC and
; TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065

```

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06751
; FILING DATE: 19930719
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meredith, Roy D.
; REGISTRATION NUMBER: 30,777
; REFERENCE/DOCKET NUMBER: 18614
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-4678
; TELEFAX: (908) 594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE: Random Epitope Library Delta
PCT-US93-06751-77

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Query Match      37.3%; Score 25; DB 5; Length 14;
Best Local Similarity 50.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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```

QY      6 LKLTSGKIAS 15
DB      3 VKIGPGRIAS 12

```

```

RESULT 8
US-08-270-314-1
; Sequence 1, Application US/08270314
; Patent No. 5683888
; GENERAL INFORMATION:
; APPLICANT: CAMPBELL, Anthony K.
; TITLE OF INVENTION: MODIFIED BIOLUMINESCENT PROTEINS AND
; TITLE OF INVENTION: THEIR USE
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: YOUNG & THOMPSON
; STREET: 745 South 23rd Street
; CITY: Arlington
; STATE: VA
; COUNTRY: US
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/270,314
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 89 16806.6
; FILING DATE: 22-JUL-1989
; APPLICATION NUMBER: PCT/GB90/01131
; FILING DATE: 23-JUL-1990
; APPLICATION NUMBER: US 07/820,867
; FILING DATE: 22-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: PATCH, Andrew J.
; REGISTRATION NUMBER: 32,925

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 521-2297
TELEFAX: (703) 585-0573
TELEX: 248425 EMBON
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-270-314-1

Query Match 37.3%; Score 25; DB 1; Length 15;
Best Local Similarity 60.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 LSDISLKLTS 10
||:|:|:
DB 2 LSRLSLRLLS 11

RESULT 9

US-09-225-302-1
Sequence 1, Application US/09225302
Patent No. 6440665
GENERAL INFORMATION:
APPLICANT: CAMPBELL, ANTHONY KEITH
TITLE OF INVENTION: MODIFIED BIOLUMINESCENT PROTEINS AND THEIR USE
FILE REFERENCE: 09/225,302
CURRENT APPLICATION NUMBER: US/09/225,302
CURRENT FILING DATE: 1999-01-05
PRIOR APPLICATION NUMBER: 08/957,135
PRIOR FILING DATE: 1998-09-14
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 1
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: peptide
US-09-225-302-1

Query Match 37.3%; Score 25; DB 4; Length 15;
Best Local Similarity 60.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 LSDISLKLTS 10
||:|:|:
DB 2 LSRLSLRLLS 11

RESULT 10

US-08-671-548C-71
Sequence 71, Application US/08671548C
Patent No. 6486130
GENERAL INFORMATION:
APPLICANT: LIVEY, Ian
APPLICANT: CROWE, Brian
APPLICANT: DORNER, Friedrich
TITLE OF INVENTION: IMMUNOGENIC FORMULATION OF OSPC ANTIGEN VACCINE FOR THE PREVENTION OF LYME DISEASE AND RECOMBINANT METHODS FOR THE PREPARATION OF
TITLE OF INVENTION: TREATMENT OF LYME DISEASE AND RECOMBINANT METHODS FOR THE PREPARATION OF
FILE REFERENCE: 37974-0023
CURRENT APPLICATION NUMBER: US/08/671,548C
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: US 08/284,667
PRIOR FILING DATE: 1994-08-19
PRIOR APPLICATION NUMBER: 08/053,863
PRIOR FILING DATE: 1993-04-29
PRIOR APPLICATION NUMBER: PCT/EP94/01365
PRIOR FILING DATE: 1994-04-29

NUMBER OF SEQ ID NOS: 78
SOFTWARE: Patent In version 3.0
SEQ ID NO 71
LENGTH: 15
TYPE: PRT
ORGANISM: Borrelia sp.
US-08-671-548C-71

Query Match 37.3%; Score 25; DB 4; Length 15;
Best Local Similarity 50.0%; Pred. No. 2.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 4 ISLXLTSGLI 13
||:|:|:
DB 3 ISTLITEGLI 12

RESULT 11

US-08-671-548C-72
Sequence 72, Application US/08671548C
Patent No. 6486130
GENERAL INFORMATION:
APPLICANT: LIVEY, Ian
APPLICANT: CROWE, Brian
APPLICANT: DORNER, Friedrich
TITLE OF INVENTION: IMMUNOGENIC FORMULATION OF OSPC ANTIGEN VACCINE FOR THE PREVENTION OF LYME DISEASE AND RECOMBINANT METHODS FOR THE PREPARATION OF
TITLE OF INVENTION: TREATMENT OF LYME DISEASE AND RECOMBINANT METHODS FOR THE PREPARATION OF
FILE REFERENCE: 37974-0023
CURRENT APPLICATION NUMBER: US/08/671,548C
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: US 08/284,667
PRIOR FILING DATE: 1994-08-19
PRIOR APPLICATION NUMBER: 08/053,863
PRIOR FILING DATE: 1993-04-29
PRIOR APPLICATION NUMBER: PCT/EP94/01365
PRIOR FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 78
SOFTWARE: Patent In version 3.0
SEQ ID NO 72
LENGTH: 15
TYPE: PRT
ORGANISM: Borrelia sp.
US-08-671-548C-72

Query Match 37.3%; Score 25; DB 4; Length 15;
Best Local Similarity 55.6%; Pred. No. 2.3e+02;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 LSDISLKLIT 9
||:|:|:
DB 3 LITEISKKIT 11

RESULT 12

US-08-957-135-1
Sequence 1, Application US/08957135
Patent No. 6492500
GENERAL INFORMATION:
APPLICANT: CAMPBELL, ANTHONY KEITH
TITLE OF INVENTION: MODIFIED BIOLUMINESCENT PROTEINS AND THEIR USE
FILE REFERENCE: 09/225,302
CURRENT APPLICATION NUMBER: US/08/957,135
CURRENT FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 08/957,135
PRIOR FILING DATE: 1998-09-14
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 1
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-08-957-135-1

Query Match 37.3%; Score 25; DB 4; Length 15;
Best Local Similarity 60.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 LSDISLKLTS 10
Db 2 LSRSLRLLS 11

RESULT 13

5196511-25
; Patent No. 5196511
; APPLICANT: PLOW, EDWARD F.; D'SOUZA, STANLEY E.
; GINSBERG, MARK H.
; TITLE OF INVENTION: PEPTIDES AND ANTIBODIES THAT INHIBIT
; INTEGRIN-LIGAND BINDING
; NUMBER OF SEQUENCES: 31
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/444,777
; FILING DATE: 01-DEC-1989
; SEQ ID NO: 25
; LENGTH: 15
5196511-25

Query Match 37.3%; Score 25; DB 6; Length 15;
Best Local Similarity 50.0%; Pred. No. 2.3e+02;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 6 LKLTSGKI 13
Db 1 LKVTGVS 8

RESULT 14

US-08-350-260A-483
; Sequence 483, Application US/08350260A
; Patent No. 5962255
; GENERAL INFORMATION:
; APPLICANT: Winter, Gregory Paul
; APPLICANT: Griffiths, Andrew David
; APPLICANT: Williams, Samuel Cameron
; APPLICANT: Waterhouse, Peter
; APPLICANT: Nissim, Ahuva
; APPLICANT: Johnson, Kevin Stuart
; APPLICANT: Smith, Andrew John Hammond
; TITLE OF INVENTION: Methods for producing members of specific
; TITLE OF INVENTION: binding pairs
; NUMBER OF SEQUENCES: 602
; CORRESPONDENCE ADDRESS:
; ADDRESSSEE: David W. Clough
; STREET: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/350,260A
; FILING DATE: 05-DEC-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9110549.4
; FILING DATE: 15-MAY-1991
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: GB 9206318.9
; FILING DATE: 24-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB91/01134
; FILING DATE: 10-JUL-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB92/00883
; FILING DATE: 15-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB93/00605
; FILING DATE: 24-MAR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/150,002
; FILING DATE: 31-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/307,619
; FILING DATE: 16-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Clough, David W
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28111/32372
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; INFORMATION FOR SEQ ID NO: 483:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-350-260A-483

Query Match 35.8%; Score 24; DB 2; Length 10;
Best Local Similarity 71.4%; Pred. No. 2.2e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 9 TSGKIAS 15
Db 1 TSGKLHS 7

RESULT 15

US-09-104-337A-483
; Sequence 483, Application US/09104337A
; Patent No. 6492160
; GENERAL INFORMATION:
; APPLICANT: Winter, Gregory Paul
; APPLICANT: Griffiths, Andrew David
; APPLICANT: Williams, Samuel Cameron
; APPLICANT: Waterhouse, Peter
; APPLICANT: Nissim, Ahuva
; APPLICANT: Johnson, Kevin Stuart
; APPLICANT: Smith, Andrew John Hammond
; TITLE OF INVENTION: Methods for producing members of specific
; TITLE OF INVENTION: binding pairs
; NUMBER OF SEQUENCES: 600
; CORRESPONDENCE ADDRESS:
; ADDRESSSEE: Audrey L. Bartnicki
; STREET: Marshall, Gerstein & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/104,337A
; FILING DATE: 25-JUN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/350,260

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; FILING DATE: 05-DEC-1994
; APPLICATION NUMBER: GB 9110549.4
; FILING DATE: 15-MAY-1991
; APPLICATION NUMBER: GB 9206318.9
; FILING DATE: 24-MAR-1992
; APPLICATION NUMBER: PCT/GB92/00883
; FILING DATE: 15-MAY-1992
; APPLICATION NUMBER: PCT/GB93/00605
; FILING DATE: 24-MAR-1993
; APPLICATION NUMBER: US 08/150,002
; FILING DATE: 31-MAR-1994
; APPLICATION NUMBER: US 08/307,619
; FILING DATE: 16-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Bartnicki, Audrey L.
; REGISTRATION NUMBER: 40,499
; REFERENCE/DOCKET NUMBER: 28111/32372A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; INFORMATION FOR SEQ ID NO: 483:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 483:
US-09-104-337A-483

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Query Match          35.8%; Score 24; DB 4; Length 10;
Best Local Similarity 71.4%; Pred. No. 2.2e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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QY 9 TSGXIAS 15
Db 1 TSGKLHS 7

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Search completed: April 29, 2004, 10:35:27
Job time : 16.5 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-22

Perfect score: 73

Sequence: 1 CKDKLSLKLTS 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	31	42.5	9	1	US-08-213-124-25
2	31	42.5	9	3	US-08-159-339A-313
3	28	38.4	14	5	PCT-US94-06360-2
4	26	35.6	8	2	US-08-467-822-9
5	26	35.6	8	3	US-08-432-697-9
6	26	35.6	8	3	US-08-466-248-9
7	26	35.6	12	1	US-08-250-789A-39
8	26	35.6	12	4	US-09-057-897-14
9	26	35.6	13	3	US-09-043-937A-25
10	25	34.2	8	4	US-09-227-357-323
11	25	34.2	9	3	US-09-502-600-39
12	25	34.2	9	3	US-09-502-600-54
13	25	34.2	9	3	US-09-502-600-74
14	25	34.2	9	4	US-09-918-243-39
15	25	34.2	9	4	US-09-918-243-54
16	25	34.2	9	4	US-09-918-243-74
17	25	34.2	13	2	US-08-623-690-13
18	25	34.2	15	1	US-08-270-314-1
19	25	34.2	15	4	US-09-225-302-1
20	25	34.2	15	4	US-08-671-548C-72
21	25	34.2	15	4	US-08-957-135-1
22	24	32.9	6	1	US-08-198-962-3
23	24	32.9	6	1	US-08-682-412B-3
24	24	32.9	8	2	US-08-312-202B-8
25	24	32.9	8	3	US-09-079-347-8
26	24	32.9	8	3	US-09-075-725-8
27	24	32.9	8	4	US-08-803-646-8

28	24	32.9	8	5	PCT-US95-12433-8	Sequence 8, Appli
29	24	32.9	10	4	US-09-755-630B-54	Sequence 54, Appl
30	24	32.9	11	4	US-09-636-731A-42	Sequence 42, Appl
31	24	32.9	12	1	US-08-230-789A-34	Sequence 34, Appl
32	24	32.9	13	3	US-08-974-549A-138	Sequence 138, Appl
33	24	32.9	13	4	US-09-402-161B-138	Sequence 138, App
34	24	32.9	13	4	US-09-721-456-138	Sequence 138, App
35	23	31.5	9	1	US-08-221-817-5	Sequence 5, Appli
36	23	31.5	9	1	US-08-454-439-5	Sequence 5, Appli
37	23	31.5	9	2	US-08-603-690-1	Sequence 1, Appli
38	23	31.5	9	5	PCT-US94-10487-5	Sequence 5, Appli
39	23	31.5	10	2	US-08-520-535-17	Sequence 17, Appl
40	23	31.5	10	2	US-09-079-432-17	Sequence 17, Appl
41	23	31.5	11	5	PCT-US93-07261-19	Sequence 19, Appl
42	23	31.5	12	1	US-08-218-026-41	Sequence 41, Appl
43	23	31.5	12	2	US-08-653-632-41	Sequence 41, Appl
44	23	31.5	15	1	US-08-240-514-49	Sequence 49, Appl
45	23	31.5	15	2	US-08-612-302A-49	Sequence 49, Appl

ALIGNMENTS

RESULT 1
US-08-213-124-25
; Sequence 25, Application US/08213124
; Patent No. 5693325
; GENERAL INFORMATION:
; APPLICANT: Kahn, Michael
; TITLE OF INVENTION: PEPTIDE VACCINES AND METHODS RELATING
; TITLE OF INVENTION: THERETO
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/213,124
; FILING DATE: 15-MAR-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Hermanns, Karl R.
; REGISTRATION NUMBER: 33,507
; REFERENCE/DOCKET NUMBER: 670063.411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; TELEX: 3723836 SEEDANDBERRY
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-213-124-25

Query Match 42.5%; Score 31; DB 1; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDKLSLD 8

Db 1 CTELKLSLD 8

```

RESULT 2
US-08-159-339A-313
; Sequence 313, Application US/08159339A
; Patent No. 6037135
; GENERAL INFORMATION:
; APPLICANT: Kubo, Ralph T.
; APPLICANT: Grey, Howard M.
; APPLICANT: Sette, Alessandro
; APPLICANT: Celis, Estaban
; TITLE OF INVENTION: HLA Binding peptides and Their
; TITLE OF INVENTION: Uses
; NUMBER OF SEQUENCES: 1254
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/159,339A
; FILING DATE: 29-NOV-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/926,666
; FILING DATE: 07-AUG-1992
; APPLICATION NUMBER: US 08/027,746
; FILING DATE: 05-MAR-1993
; APPLICATION NUMBER: US 08/103,396
; FILING DATE: 06-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Ellen Lauver
; REGISTRATION NUMBER: 32,762
; REFERENCE/DOCKET NUMBER: 018623-0050300S
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; TELEX:
; INFORMATION FOR SEQ ID NO: 313:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-159-339A-313

Query Match 42.5%; Score 31; DB 3; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDKLSD 8
DB 1 CTELKLS 8

RESULT 3
PCT-US94-06360-2
; Sequence 2, Application PC/TUS9406360
; GENERAL INFORMATION:
; APPLICANT: Mark Feitelson
; TITLE OF INVENTION: Method of Detecting Hepatitis B Variants
; TITLE OF INVENTION: Having Deletions Within the X Region of the Virus Genome
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Masey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill

```

```

; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/06360
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/074,346
; FILING DATE: June 8, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Masey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: JEFF-0018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14
; TYPE: Amino Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: No
; PCT-US94-06360-2

Query Match 38.4%; Score 28; DB 5; Length 14;
Best Local Similarity 50.0%; Pred. No. 87;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 KDIKLSDISKL 13
DB 3 KDWELGEIRKV 14

RESULT 4
US-08-467-822-9
; Sequence 9, Application US/08467822
; Patent No. 5843460
; GENERAL INFORMATION:
; APPLICANT: Labigne, Agnes
; APPLICANT: Sauerbaum, Sebastien
; APPLICANT: Ferrero, Richard L.
; APPLICANT: Thiberge, Jean-Michel
; TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
; TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
; TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
; TITLE OF INVENTION: POLYPEPTIDES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,822
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/447,177

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; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/432,697
; FILING DATE: 02-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0137-02000
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-467-822-9

Query Match 35.6%; Score 26; DB 2; Length 8;
Best Local Similarity 71.4%; Pred. No. 3e+05; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 KDILSD 8
Db 2 KEIKFSD 8

RESULT 5
US-08-432-697-9
; Sequence 9, Application US/08432697
; Patent No. 6248330
; GENERAL INFORMATION:
; APPLICANT: Labigne, Agnes
; APPLICANT: Sauerbaum, Sebastien
; APPLICANT: Ferrero, Richard L.
; APPLICANT: Thiberge, Jean-Michel
; TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
; TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
; TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESS: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/432,697
; FILING DATE: 02-MAY-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0137-00000
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid

US-08-467-822-9

Query Match 35.6%; Score 26; DB 2; Length 8;
Best Local Similarity 71.4%; Pred. No. 3e+05; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 KDILSD 8
Db 2 KEIKFSD 8

RESULT 6
US-08-466-248-9
; Sequence 9, Application US/08466248
; Patent No. 6258359
; GENERAL INFORMATION:
; APPLICANT: Labigne, Agnes
; APPLICANT: Sauerbaum, Sebastien
; APPLICANT: Ferrero, Richard L.
; APPLICANT: Thiberge, Jean-Michel
; TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
; TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
; TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESS: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,248
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/447,177
; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/432,697
; FILING DATE: 02-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0137-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-466-248-9

Query Match 35.6%; Score 26; DB 3; Length 8;
Best Local Similarity 71.4%; Pred. No. 3e+05; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY 2 KDIXLSD 8
|:|:|
Db 2 KEIKFSD 8

RESULT 7
US-08-250-789A-39
; Sequence 39, Application US/08250789A
; Patent No. 5635597
; GENERAL INFORMATION:
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Chernov-Rogan, Tania
; APPLICANT: Davis, Ann M.
; TITLE OF INVENTION: Peptides That Bind to IL-2 Receptors
; NUMBER OF SEQUENCES: 194
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/250,789A
; FILING DATE: 27-MAY-1994
; CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:
; NAME: No. 5635597v1el, Vernon A.
; REGISTRATION NUMBER: 32,483
; REFERENCE/DOCKET NUMBER: 18528A-57/1043
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422

INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-08-250-789A-39

Query Match 35.6%; Score 26; DB 1; Length 12;
Best Local Similarity 44.4%; Pred. No. 1.6e+02;
Matches 4; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 CKDIXLSDI 9
|:|:|
Db 3 CYDARLGLD 11

RESULT 8
US-09-057-897-14
; Sequence 14, Application US/09057897
; Patent No. 6300476
; GENERAL INFORMATION:
; APPLICANT: Lu, Anthony Y.H.
; APPLICANT: Wang, Regina W.
; TITLE OF INVENTION: Anti-peptide Antibody Against Human
; TITLE OF INVENTION: Cytochrome P450 3A4
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: US
; ZIP: 07065-0907

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/057,897
; FILING DATE:

CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hand, J. Mark
; REGISTRATION NUMBER: 36,545
; REFERENCE/DOCKET NUMBER: 19902
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (732)594-3905
; TELEFAX: (732)594-4720

INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-09-057-897-14

Query Match 35.6%; Score 26; DB 4; Length 12;
Best Local Similarity 50.0%; Pred. No. 1.6e+02;
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 CKDIXLSD 8
|:|:|
Db 1 CKESRLD 8

RESULT 9

US-09-043-937A-25
; Sequence 25, Application US/09043937A
; Patent No. 6211432

GENERAL INFORMATION:
; APPLICANT: BOUDET, ALAIN-MICHEL
; PICHON, MAGALIE
; GRIMA-PETTENATI, JACQUELINE
; BECKERT, MICHEL
; GAWAS, PASCAL
; BRIAT, JEAN-FRANCOIS

TITLE OF INVENTION: DNA SEQUENCES CODING FOR CINNAMOYL-CoA
; REDUCTASE, AND APPLICATIONS THEREOF IN THE CONTROL OF
; LIGNIN CONTENTS IN PLANTS

NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE, P.C.
; STREET: 110 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/043,937A
; FILING DATE: 24-Jul-1998
; CLASSIFICATION: <Unknown>
; APPLICATION NUMBER: WO PCT/FR96/01544
; FILING DATE: 03-OCT-1996
; APPLICATION NUMBER: FR 95.11623
; FILING DATE: 03-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36.663

RESULT 12
US-09-502-600-54
; Sequence 54, Application US/09502600A
; Patent No. 6294344
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; TITLE OF INVENTION: Ovarian Cancer
; FILE REFERENCES: D6223CIP-C
; CURRENT FILING DATE: 2000-02-11
; CURRENT APPLICATION NUMBER: US/09/502,600A
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 136
; SEQ ID NO 54
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 162-170 of the SCCE protein
US-09-502-600-54

Query Match 34.2%; Score 25; DB 3; Length 9;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKL 6
| | | |
Db 4 CVDVKL 9

RESULT 13
US-09-502-600-74
; Sequence 74, Application US/09502600A
; Patent No. 6294344
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; TITLE OF INVENTION: Ovarian Cancer
; FILE REFERENCES: D6223CIP-C
; CURRENT FILING DATE: 2000-02-11
; CURRENT APPLICATION NUMBER: US/09/502,600A
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 136
; SEQ ID NO 74
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 165-173 of the SCCE protein
US-09-502-600-74

Query Match 34.2%; Score 25; DB 3; Length 9;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKL 6
| | | |
Db 1 CVDVKL 6

RESULT 14
US-09-918-243-39
; Sequence 39, Application US/09918243
; Patent No. 6627403
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Cannon, Martin J.
; APPLICANT: Santin, Alessandro
; TITLE OF INVENTION: Methods for the early diagnosis of ovarian cancer
; FILE REFERENCE: D6223CIP/C/D/CIP

; CURRENT APPLICATION NUMBER: US/09/918,243
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 136
; SEQ ID NO 39
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CHAIN
; OTHER INFORMATION: Residues 163-171 of the SCCE protein
US-09-918-243-39

Query Match 34.2%; Score 25; DB 4; Length 9;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKL 6
| | | |
Db 3 CVDVKL 8

RESULT 15
US-09-918-243-54
; Sequence 54, Application US/09918243
; Patent No. 6627403
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Cannon, Martin J.
; APPLICANT: Santin, Alessandro
; TITLE OF INVENTION: Methods for the early diagnosis of ovarian cancer
; FILE REFERENCE: D6223CIP/C/D/CIP
; CURRENT APPLICATION NUMBER: US/09/918,243
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 136
; SEQ ID NO 54
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CHAIN
; OTHER INFORMATION: Residues 162-170 of the SCCE protein
US-09-918-243-54

Query Match 34.2%; Score 25; DB 4; Length 9;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKL 6
| | | |
Db 4 CVDVKL 9

Search completed: April 29, 2004, 09:27:36
Job time : 12.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 10:34:14 ; Search time 36.5 Seconds

(without alignments)
113.914 Million cell updates/sec

Title: US-09-308-027A-23

Perfect score: 67
Sequence: 1 LSDISLXLTSGKIAS 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
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8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
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12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
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16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	DB ID	Description
1	67	100.0	15	US-10-354-240-152
2	53	79.1	12	US-10-354-240-6
3	45	67.2	15	US-10-354-240-153
4	44	65.7	15	US-10-354-240-151
5	27	40.3	13	US-09-971-536-81
6	27	40.3	13	US-09-966-422B-28
7	27	40.3	13	US-10-262-272A-28
8	26	38.8	10	US-09-572-404B-197
9	26	38.8	10	US-10-006-869-2964
10	26	38.8	10	US-10-395-032-2964
11	26	38.8	14	US-10-168-424-7
12	26	38.8	15	US-10-050-704-327
13	25.5	38.1	15	US-10-024-652-2178
14	25.5	38.1	15	US-10-024-652-2368
15	25.5	38.1	15	US-10-024-652-2548

16	25.5	38.1	15	US-10-024-652-2549	Sequence 2549, Ap
17	25	37.3	11	US-10-343-654-46	Sequence 46, Appl
18	25	37.3	12	US-10-601-837-128	Sequence 128, App
19	25	37.3	12	US-10-014-340-420	Sequence 420, App
20	25	37.3	14	US-10-365-738-8	Sequence 8, Appli
21	25	37.3	15	US-10-154-801-1	Sequence 1, Appli
22	24.5	36.6	15	US-10-024-652-2102	Sequence 2102, Ap
23	24.5	36.6	15	US-10-024-652-2283	Sequence 2283, Ap
24	24.5	36.6	15	US-10-024-652-2456	Sequence 2456, Ap
25	24	35.8	9	US-10-024-652-133	Sequence 133, App
26	24	35.8	9	US-10-024-652-211	Sequence 211, App
27	24	35.8	9	US-10-024-652-302	Sequence 302, App
28	24	35.8	9	US-10-024-652-879	Sequence 879, App
29	24	35.8	9	US-10-024-652-1012	Sequence 1012, Ap
30	24	35.8	9	US-10-024-652-1022	Sequence 1022, Ap
31	24	35.8	9	US-10-024-652-1100	Sequence 1100, Ap
32	24	35.8	9	US-10-024-652-1161	Sequence 1161, Ap
33	24	35.8	9	US-10-024-652-1437	Sequence 1437, Ap
34	24	35.8	9	US-10-024-652-2022	Sequence 2022, Ap
35	24	35.8	9	US-10-024-652-2031	Sequence 2031, Ap
36	24	35.8	10	US-09-572-404B-1725	Sequence 1725, Ap
37	24	35.8	10	US-10-024-652-181	Sequence 181, App
38	24	35.8	10	US-10-024-652-289	Sequence 289, App
39	24	35.8	10	US-10-024-652-371	Sequence 371, App
40	24	35.8	10	US-10-024-652-1514	Sequence 1514, Ap
41	24	35.8	10	US-10-024-652-1515	Sequence 1515, Ap
42	24	35.8	10	US-10-024-652-1657	Sequence 1657, Ap
43	24	35.8	10	US-10-024-652-1681	Sequence 1681, Ap
44	24	35.8	10	US-10-024-652-1876	Sequence 1876, Ap
45	24	35.8	10	US-10-024-652-1940	Sequence 1940, Ap

ALIGNMENTS

RESULT 1
US-10-354-240-152
; Sequence 152, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kimo, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 152
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 69
US-10-354-240-152

Query Match 100.0%; Score 67; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e-05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LSDISLXLTSGKIAS 15
Db 1 LSDISLXLTSGKIAS 15

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RESULT 2
US-10-354-240-6
; Sequence 6, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 6
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; US-10-354-240-6

Query Match 79.1%; Score 53; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.0043;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 ISLKTSGKIAS 15
DB 1 ISLKTSGKIAS 12

RESULT 3
US-10-354-240-153
; Sequence 153, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 153
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 70
; US-10-354-240-153

Query Match 67.2%; Score 45; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 LKLTSGKIAS 15
DB 1 LKLTSGKIAS 10
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RESULT 4
US-10-354-240-151
; Sequence 151, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 151
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 68
; US-10-354-240-151

Query Match 65.7%; Score 44; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LSDISLKLTLS 10
DB 6 LSDISLKLTLS 15

RESULT 5
US-09-971-536-81
; Sequence 81, Application US/09971536
; Patent No. US20020159976A1
; GENERAL INFORMATION:
; APPLICANT: Glenn, Matthew
; APPLICANT: Havukkala, Ilkka
; APPLICANT: Bloksberg, Leonard
; APPLICANT: Lubbers, Mark
; APPLICANT: Dekker, James
; APPLICANT: Christensson, Anna
; APPLICANT: Holland, Ross
; APPLICANT: O'Toole, Paul
; APPLICANT: Reid, Julian
; APPLICANT: Coolbear, Timothy
; TITLE OF INVENTION: Lactobacillus rhamnosus Polynucleotides, Polypeptides and Methods
; FILE REFERENCE: 1043c2
; CURRENT APPLICATION NUMBER: US/09/971,536
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: U.S. No. US20020159976A1 09/634,238
; PRIOR FILING DATE: 2000-08-08
; PRIOR APPLICATION NUMBER: U.S. No. US20020159976A1 09/724,623
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: PCT/NZ01/00160
; PRIOR FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Lactobacillus rhamnosus
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FEATURE:
NAME/KEY: PEPTIDE
LOCATION: (0)...(0)
US-09-971-536-81

Query Match 40.3%; Score 27; DB 9; Length 13;
Best Local Similarity 44.4%; Pred. No. 3.2e+02;
Matches 4; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 5 SLKLTSGKI 13
|:|:|:|:
DB 1 SVKITAGQL 9

RESULT 6
US-09-966-422B-28
; Sequence 28, Application US/09966422B
; Publication No. US20030044892A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRTMY6, EXPRESSED HIG
; TITLE OF INVENTION: SMALL INTESTINE
; FILE REFERENCE: D004ONP/3053-4119US3
; CURRENT APPLICATION NUMBER: US/09/966,422B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 60/235,602
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/306,604
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/315,412
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 28
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-966-422B-28

Query Match 40.3%; Score 27; DB 10; Length 13;
Best Local Similarity 54.5%; Pred. No. 3.2e+02;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 2 SDISLKTSGK 12
|:|:|:|:
DB 3 SDFSQKIISK 13

RESULT 7
US-10-262-272A-28
; Sequence 28, Application US/10262272A
; Publication No. US20030170671A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRTMY6
; FILE REFERENCE: D0044 CIP
; CURRENT APPLICATION NUMBER: US/10/262,272A
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: U.S. 09/966,422
; PRIOR FILING DATE: 2001-09-26
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 28
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-272A-28

Query Match 40.3%; Score 27; DB 14; Length 13;
Best Local Similarity 54.5%; Pred. No. 3.2e+02;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 2 SDISLKTSGK 12

Db 3 SDFSQKIISK 13
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RESULT 8
US-09-572-404B-197
; Sequence 197, Application US/09572404B
; Publication No. US20030078374A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands from the human genome
; FILE REFERENCE: Human Patent
; CURRENT APPLICATION NUMBER: US/09/572,404B
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 4203
; SOFTWARE: ProPatent version 1.0
; SEQ ID NO 197
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: sequence located in NPR2 OR ANPRB at 119-128 and may interact wi
; OTHER INFORMATION: Sequence 198 in this patent.
US-09-572-404B-197

Query Match 38.8%; Score 26; DB 10; Length 10;
Best Local Similarity 62.5%; Pred. No. 3.7e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 LTSGKIAS 15
|:|:|:|:
DB 2 LTAGAVAS 9

RESULT 9
US-10-006-869-2964
; Sequence 2964, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2964
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: Protocadherin cell adhesion recognition sequence
US-10-006-869-2964

Query Match 38.8%; Score 26; DB 14; Length 10;
Best Local Similarity 50.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 DISLKLTSCK 12
|:|:|:|:
DB 1 DFALDLVTGK 10

RESULT 10
US-10-395-032-2964
; Sequence 2964, Application US/10395032
; Publication No. US20030229199A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.

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; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/395,032
; CURRENT FILING DATE: 2003-03-21
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patent in Ver. 2.0
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: Protocadherin cell adhesion recognition sequence
US-10-395-032-2964

Query Match      38.8%; Score 26; DB 15; Length 10;
Best Local Similarity 50.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 DISLKLTSK 12
Db 1 DFALDLVTGK 10

RESULT 11
US-10-168-424-7
; Sequence 7, Application US/10168424
; Publication No. US20030170655A1
; GENERAL INFORMATION:
; APPLICANT: Cyclacel Limited
; APPLICANT: Glover, David M.
; APPLICANT: Yamamoto, Rochele
; APPLICANT: Henderson, Daryl
; TITLE OF INVENTION: Mus101 and Homologues thereof
; FILE REFERENCE: CCI-022US
; CURRENT APPLICATION NUMBER: US/10/168,424
; CURRENT FILING DATE: 2003-11-18
; PRIOR APPLICATION NUMBER: GB 9930708.4
; PRIOR FILING DATE: 1999-12-24
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-168-424-7

Query Match      38.8%; Score 26; DB 14; Length 14;
Best Local Similarity 40.0%; Pred. No. 5.4e+02;
Matches 4; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 LSDISLKLTS 10
Db 2 MSDVTISCTS 11

RESULT 12
US-10-050-704-327
; Sequence 327, Application US/10050704
; Publication No. US20030050442A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: PZ039P1
; CURRENT APPLICATION NUMBER: US/10/050,704
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: 09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
```

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; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 327
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-050-704-327

Query Match      38.8%; Score 26; DB 14; Length 15;
Best Local Similarity 75.0%; Pred. No. 5.8e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 ISLKLTSK 11
Db 4 ISFTLTSG 11

RESULT 13
US-10-024-652-2178
; Sequence 2178, Application US/10024652
; Publication No. US20030219738A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc
; APPLICANT: Challita-Bid, Pia M.
; APPLICANT: Faris, Mary
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Mitchell, Steve Chappell
; APPLICANT: Levin, Elana
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: Transporter Protein Entitled 108P5H8 Useful in Treatment and
; TITLE OF INVENTION: Detection of Cancer
; FILE REFERENCE: 51158-20025.00
; CURRENT APPLICATION NUMBER: US/10/024,652
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/256,210
; PRIOR FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 2598
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2178
; LENGTH: 15
; TYPE: PRT
; ORGANISM: homo sapien
US-10-024-652-2178

Query Match      38.1%; Score 25.5; DB 15; Length 15;
Best Local Similarity 46.2%; Pred. No. 7.2e+02;
Matches 6; Conservative 4; Mismatches 2; Indels 1; Gaps 1;

QY 1 LSDISL-KLTSK 12
Db 2 VEDLNWLSLTSK 14

RESULT 14
US-10-024-652-2368
; Sequence 2368, Application US/10024652
; Publication No. US20030219738A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc
; APPLICANT: Challita-Bid, Pia M.
; APPLICANT: Faris, Mary
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Mitchell, Steve Chappell
; APPLICANT: Levin, Elana
```

; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc
; TITLE OF INVENTION: Transporter Protein Entitled 108PSH8 Useful in Treatment and
; TITLE OF INVENTION: Detection of Cancer
; FILE REFERENCE: 51158-20025.00
; CURRENT APPLICATION NUMBER: US/10/024,652
; PRIOR FILING DATE: 2002-06-28
; PRIOR FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 2598
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2368
; LENGTH: 15
; TYPE: PRT
; ORGANISM: homo sapien
US-10-024-652-2368

Query Match 38.1%; Score 25.5; DB 15; Length 15;
Best Local Similarity 46.2%; Pred. No. 7.2e+02;
Matches 6; Conservative 4; Mismatches 2; Indels 1; Gaps 1;

QY 1 LSDISL-KLTSGK 12
Db :|:::|
2 VEDNIWSLTSGK 14

RESULT 15
US-10-024-652-2548
; Sequence 2548, Application US/10024652
; Publication No. US20030219738A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc
; APPLICANT: Challita-Bid, Pia M.
; APPLICANT: Faris, Mary
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Mitchell, Steve Chappell
; APPLICANT: Levin, Elana
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc
; TITLE OF INVENTION: Transporter Protein Entitled 108PSH8 Useful in Treatment and
; TITLE OF INVENTION: Detection of Cancer
; FILE REFERENCE: 51158-20025.00
; CURRENT APPLICATION NUMBER: US/10/024,652
; PRIOR FILING DATE: 2002-06-28
; PRIOR FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 2598
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2548
; LENGTH: 15
; TYPE: PRT
; ORGANISM: homo sapien
US-10-024-652-2548

Query Match 38.1%; Score 25.5; DB 15; Length 15;
Best Local Similarity 46.2%; Pred. No. 7.2e+02;
Matches 6; Conservative 4; Mismatches 2; Indels 1; Gaps 1;

QY 1 LSDISL-KLTSGK 12
Db :|:::|
2 VEDNIWSLTSGK 14

Search completed: April 29, 2004, 10:43:11
Job time : 36.5 secs

GenCore version 5.1.6
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CM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds

(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-22

Perfect score: 73

Sequence: 1 CKDKLSLSLKITS 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:
1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	DB ID	Description
1	73	100.0	15	14	US-10-354-240-151
2	51	69.9	15	14	US-10-354-240-150
3	44	60.3	15	14	US-10-354-240-152
4	34	46.6	15	14	US-10-052-788-3
5	33	45.2	10	9	US-09-884-441-435
6	33	45.2	10	10	US-09-907-969-435
7	33	45.2	10	10	US-09-827-271-435
8	33	45.2	10	14	US-10-198-053-435
9	31	42.5	9	12	US-10-367-580-41
10	31	42.5	9	12	US-10-367-593-41
11	31	42.5	9	12	US-10-367-594-41
12	31	42.5	9	12	US-10-367-654-41
13	31	42.5	9	12	US-10-367-658-41
14	31	42.5	9	12	US-10-367-668-41
15	31	42.5	14	14	US-10-261-798-54

16	30	41.1	12	14	US-10-354-240-6	Sequence 6, Appl
17	29	39.7	15	14	US-10-354-240-149	Sequence 149, App
18	27	37.0	14	15	US-10-089-887-54	Sequence 54, Appl
19	26	35.6	8	9	US-09-358-423-40	Sequence 40, Appl
20	26	35.6	8	13	US-10-047-881-40	Sequence 40, Appl
21	26	35.6	14	10	US-09-966-782A-40	Sequence 7, Appl
22	26	35.6	14	14	US-10-168-424-7	Sequence 40, Appl
23	26	35.6	14	14	US-10-254-905-40	Sequence 115, App
24	26	35.6	15	12	US-10-253-286-817	Sequence 817, App
25	26	35.6	15	14	US-10-354-240-115	Sequence 323, App
26	26	35.6	15	15	US-10-245-871-817	Sequence 318, App
27	25	34.2	8	10	US-09-983-802-323	Sequence 323, App
28	25	34.2	8	12	US-09-973-278-318	Sequence 39, Appl
29	25	34.2	8	12	US-09-984-490-323	Sequence 54, Appl
30	25	34.2	9	9	US-09-918-243-39	Sequence 74, Appl
31	25	34.2	9	9	US-09-918-243-54	Sequence 39, Appl
32	25	34.2	9	9	US-09-905-083-39	Sequence 54, Appl
33	25	34.2	9	9	US-09-905-083-54	Sequence 74, Appl
34	25	34.2	9	9	US-09-905-083-74	Sequence 39, Appl
35	25	34.2	9	12	US-10-372-521-39	Sequence 54, Appl
36	25	34.2	9	12	US-10-372-521-54	Sequence 74, Appl
37	25	34.2	9	12	US-10-372-521-74	Sequence 226, App
38	25	34.2	10	10	US-09-572-270A-226	Sequence 357, App
39	25	34.2	10	10	US-09-572-822C-357	Sequence 46, Appl
40	25	34.2	11	12	US-10-343-654-46	Sequence 25, Appl
41	25	34.2	13	13	US-10-068-151-25	Sequence 25, Appl
42	25	34.2	13	15	US-10-358-052-25	Sequence 43, Appl
43	25	34.2	14	9	US-09-975-143-43	Sequence 11, Appl
44	25	34.2	14	14	US-10-168-424-11	
45	25	34.2	14	14	US-10-168-424-11	

ALIGNMENTS

RESULT 1

US-10-354-240-151

Sequence 151, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103D1
CURRENT FILING DATE: 2003-01-29
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patent version 3.1
SEQ ID NO 151
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(15)
OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 68
US-10-354-240-151

Query Match 100.0%; Score 73; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 6.4e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CKDKLSLSLKITS 15

Db 1 CKDKLSLSLKITS 15


```

RESULT 2
US-10-354-240-150
; Sequence 150, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 150
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 67
US-10-354-240-150

Query Match 69.9%; Score 51; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CKDIKLSDIS 10
DB 6 CKDIKLSDIS 15

RESULT 3
US-10-354-240-152
; Sequence 152, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 152
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 69
US-10-354-240-152

Query Match 60.3%; Score 44; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.67;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CKDIKLSDIS 10
DB 6 CKDIKLSDIS 15

RESULT 4
US-10-052-788-3
; Sequence 3, Application US/10052788
; Publication No. US20030087314A1
; GENERAL INFORMATION:
; APPLICANT: Gerstwin, Laurel J.
; APPLICANT: Pettigrew, Howard David
; APPLICANT: Kalina, Warren V.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Epsilon Immunoglobulin Chain Derived Peptides for
; TITLE OF INVENTION: Induction of Anti-IGE Antibodies
; FILE REFERENCE: 023070-121000US
; CURRENT APPLICATION NUMBER: US/10/052,788
; CURRENT FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:epitope peptide
; OTHER INFORMATION: P3, Beginning of C1 of equine IGE epsilon heavy
; OTHER INFORMATION: chain
US-10-052-788-3

Query Match 46.6%; Score 34; DB 14; Length 15;
Best Local Similarity 54.5%; Pred. No. 36;
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 CKDIKLSDISL 11
DB 5 CKDTKTNTIYL 15

RESULT 5
US-09-884-441-435
; Sequence 435, Application US/09884441
; Patent No. US20020119158A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C7
; CURRENT APPLICATION NUMBER: US/09/884,441
; CURRENT FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 435
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-884-441-435

Query Match 45.2%; Score 33; DB 9; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DIKLSDI 9
DB 4 DIKLSDI 10

RESULT 6
US-09-907-969-435
; Sequence 435, Application US/09907969
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```

QY 6 LSDISLKITS 15
DB 1 LSDISLKITS 10

RESULT 4
US-10-052-788-3
; Sequence 3, Application US/10052788
; Publication No. US20030087314A1
; GENERAL INFORMATION:
; APPLICANT: Gerstwin, Laurel J.
; APPLICANT: Pettigrew, Howard David
; APPLICANT: Kalina, Warren V.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Epsilon Immunoglobulin Chain Derived Peptides for
; TITLE OF INVENTION: Induction of Anti-IGE Antibodies
; FILE REFERENCE: 023070-121000US
; CURRENT APPLICATION NUMBER: US/10/052,788
; CURRENT FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:epitope peptide
; OTHER INFORMATION: P3, Beginning of C1 of equine IGE epsilon heavy
; OTHER INFORMATION: chain
US-10-052-788-3

Query Match 46.6%; Score 34; DB 14; Length 15;
Best Local Similarity 54.5%; Pred. No. 36;
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 CKDIKLSDISL 11
DB 5 CKDTKTNTIYL 15

RESULT 5
US-09-884-441-435
; Sequence 435, Application US/09884441
; Patent No. US20020119158A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C7
; CURRENT APPLICATION NUMBER: US/09/884,441
; CURRENT FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 435
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-884-441-435

Query Match 45.2%; Score 33; DB 9; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DIKLSDI 9
DB 4 DIKLSDI 10

RESULT 6
US-09-907-969-435
; Sequence 435, Application US/09907969
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Publication No. US20030091580A1
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
APPLICANT: Retter, Marc W.
APPLICANT: Fanger, Gary Richard
APPLICANT: Reed, Steven G.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Hill, Paul
APPLICANT: Albone, Earl
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C8
CURRENT APPLICATION NUMBER: US/09/907,969
CURRENT FILING DATE: 2001-07-17
NUMBER OF SEQ ID NOS: 596
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 435
LENGTH: 10
TYPE: PRT
ORGANISM: Homo sapiens
US-09-907-969-435

Query Match 45.2%; Score 33; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DIKLSDI 9
|:|:|:|:|
Db 4 DIKLSDI 10

RESULT 7
US-09-827-271-435
Sequence 435, Application US/09827271
Publication No. US20030165504A1
GENERAL INFORMATION:
APPLICANT: Retter, Marc W.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C6
CURRENT APPLICATION NUMBER: US/09/827,271
CURRENT FILING DATE: 2001-04-04
NUMBER OF SEQ ID NOS: 461
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 435
LENGTH: 10
TYPE: PRT
ORGANISM: Homo sapiens
US-09-827-271-435

Query Match 45.2%; Score 33; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DIKLSDI 9
|:|:|:|:|
Db 4 DIKLSDI 10

RESULT 8
US-10-198-053-435
Sequence 435, Application US/10198053
Publication No. US20030124140A1
GENERAL INFORMATION:
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Retter, Marc W.
APPLICANT: Fanger, Gary R.
APPLICANT: Hill, Paul

Query Match 45.2%; Score 33; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DIKLSDI 9
|:|:|:|:|
Db 4 DIKLSDI 10

Publication No. US20030091580A1
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
APPLICANT: Retter, Marc W.
APPLICANT: Fanger, Gary Richard
APPLICANT: Reed, Steven G.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Hill, Paul
APPLICANT: Albone, Earl
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C8
CURRENT APPLICATION NUMBER: US/09/907,969
CURRENT FILING DATE: 2001-07-17
NUMBER OF SEQ ID NOS: 596
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 435
LENGTH: 10
TYPE: PRT
ORGANISM: Homo sapiens
US-09-907-969-435

Query Match 45.2%; Score 33; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DIKLSDI 9
|:|:|:|:|
Db 4 DIKLSDI 10

RESULT 9
US-10-367-580-41
Sequence 41, Application US/10367580
Publication No. US20040071720A1
GENERAL INFORMATION:
APPLICANT: Rothman, James E.
APPLICANT: Hartl, F. Ulrich
APPLICANT: Hoe, Mae H.
APPLICANT: Houghton, Alan
APPLICANT: Takeuchi, Yoshizumi
APPLICANT: Mayhew, Mark
TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
FILE REFERENCE: 11746/461061
CURRENT APPLICATION NUMBER: US/10/367,580
CURRENT FILING DATE: 2003-02-14
PRIOR APPLICATION NUMBER: US 09/794,832
PRIOR FILING DATE: 2001-02-27
PRIOR APPLICATION NUMBER: US 09/011,645
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: PCT/US96/13363
PRIOR FILING DATE: 1996-08-16
PRIOR APPLICATION NUMBER: US 60/002,490
PRIOR FILING DATE: 1995-08-18
PRIOR APPLICATION NUMBER: US 60/002,479
PRIOR FILING DATE: 1995-08-18
NUMBER OF SEQ ID NOS: 349
SOFTWARE: WordPerfect 8.0 for Windows
SEQ ID NO 41
LENGTH: 9
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: synthetic peptide
US-10-367-580-41

Query Match 42.5%; Score 31; DB 12; Length 9;
Best Local Similarity 62.5%; Pred. No. 1e-06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDKLSLD 8
|:|:|:|:|
Db 1 CTELKLSLD 8

RESULT 10
US-10-367-593-41
Sequence 41, Application US/10367593
Publication No. US20040071721A1
GENERAL INFORMATION:
APPLICANT: Rothman, James E.
APPLICANT: Hartl, F. Ulrich

Query Match 42.5%; Score 31; DB 12; Length 9;
Best Local Similarity 62.5%; Pred. No. 1e-06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDKLSLD 8
|:|:|:|:|
Db 1 CTELKLSLD 8

Publication No. US20030091580A1
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
APPLICANT: Retter, Marc W.
APPLICANT: Fanger, Gary Richard
APPLICANT: Reed, Steven G.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Hill, Paul
APPLICANT: Albone, Earl
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C8
CURRENT APPLICATION NUMBER: US/09/907,969
CURRENT FILING DATE: 2001-07-17
NUMBER OF SEQ ID NOS: 596
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 435
LENGTH: 10
TYPE: PRT
ORGANISM: Homo sapiens
US-09-907-969-435

Query Match 45.2%; Score 33; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DIKLSDI 9
|:|:|:|:|
Db 4 DIKLSDI 10

RESULT 7
US-09-827-271-435
Sequence 435, Application US/09827271
Publication No. US20030165504A1
GENERAL INFORMATION:
APPLICANT: Retter, Marc W.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C6
CURRENT APPLICATION NUMBER: US/09/827,271
CURRENT FILING DATE: 2001-04-04
NUMBER OF SEQ ID NOS: 461
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 435
LENGTH: 10
TYPE: PRT
ORGANISM: Homo sapiens
US-09-827-271-435

Query Match 45.2%; Score 33; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DIKLSDI 9
|:~|:~|:~|:~|
Db 4 DIKLSDI 10

RESULT 8
US-10-198-053-435
Sequence 435, Application US/10198053
Publication No. US20030124140A1
GENERAL INFORMATION:
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Retter, Marc W.
APPLICANT: Fanger, Gary R.
APPLICANT: Hill, Paul

Query Match 45.2%; Score 33; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DIKLSDI 9
|:~|:~|:~|:~|
Db 4 DIKLSDI 10

Query Match	42.5%;	Score 31;	DB 12;	Length 9;
Best Local Similarity	62.5%;	Pred. No. 1e+06;		
Matches	5: Conservative	2: Mismatches	1: Indels	0: Gaps

RESULT 13
US-10-367-658-41
; Sequence 41, Application US/10367658
; Publication No. US20040071724A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461051
; CURRENT APPLICATION NUMBER: US/10/367, 658
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/794, 529
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 09/011, 645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16

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; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 41
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-367-668-41

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Query Match          42.5%; Score 31; DB 12; Length 9;
Best Local Similarity 62.5%; Pred. No. 1e+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

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QY 1 CKDIKLSLSD 8
    | :|||
Db 1 CTELKLSLSD 8

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RESULT 14
US-10-367-668-41
; Sequence 41, Application US/10367668
; Publication No. US20040071725A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461072
; CURRENT APPLICATION NUMBER: US/10/367,668
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/794,517
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 41
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-367-668-41

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```

Query Match          42.5%; Score 31; DB 12; Length 9;
Best Local Similarity 62.5%; Pred. No. 1e+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

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QY 1 CKDIKLSLSD 8
    | :|||
Db 1 CTELKLSLSD 8

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RESULT 15
US-10-261-798-54
; Sequence 54, Application US/10261798
; Publication No. US20030144477A1
; GENERAL INFORMATION:
; APPLICANT: Spack, Edward

```

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; APPLICANT: Arimilli, Subhashini
; APPLICANT: Deshpande, Shrikant
; APPLICANT: Wehner, Nancy
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Immunodominant Acetylcholine Receptor Alpha
; FILE REFERENCE: 014058-015810US
; CURRENT APPLICATION NUMBER: US/10/261,798
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US 60/327,495
; PRIOR FILING DATE: 2001-10-04
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 54
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: acetylcholine receptor (AChR) alpha peptide
US-10-261-798-54

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Query Match          42.5%; Score 31; DB 14; Length 14;
Best Local Similarity 63.6%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

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QY 2 KDIKLSLSDISK 12
    | :|||
Db 1 EDIDISDISGK 11

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Search completed: April 29, 2004, 10:34:11
Job time : 30.85 secs

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GenCore version 5.1.6
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OK protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-21

Perfect score: 82
Sequence: 1 IQLKCSDSMPCKDIK 15

Scoring table:
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PTCUS COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	35.4	7	1	US-08-372-952-5
2	29	35.4	7	3	US-08-875-309-5
3	29	35.4	7	5	PCT-US96-00310-5
4	28	34.1	11	4	US-09-628-685-28
5	28	34.1	14	1	US-08-322-962-11
6	28	34.1	14	1	US-08-322-962-12
7	28	34.1	14	3	US-08-450-653-11
8	28	34.1	14	3	US-08-450-653-12
9	28	34.1	15	1	US-08-218-025A-13
10	27	32.9	9	4	US-09-618-259-33
11	27	32.9	11	1	US-08-178-481-121
12	27	32.9	12	3	US-08-750-142B-54
13	27	32.9	13	4	US-10-158-847-108
14	27	32.9	14	4	US-09-428-082B-484
15	27	32.9	14	4	US-09-428-082B-496
16	27	32.9	15	4	US-09-428-082B-481
17	27	32.9	15	4	US-09-428-082B-493
18	27	32.9	15	5	PCT-US93-06751-2
19	26	31.7	7	3	US-09-139-802-101
20	26	31.7	7	3	US-09-139-802-122
21	26	31.7	7	4	US-09-187-859-3606
22	26	31.7	7	4	US-09-659-786-122
23	26	31.7	7	4	US-09-659-786-122
24	26	31.7	7	4	US-09-839-542B-3606
25	26	31.7	7	4	US-08-926-914-101
26	26	31.7	7	4	US-08-926-914-122
27	26	31.7	7	6	5318899-46

Sequence 14, Appl
Sequence 12, Appl
Sequence 13, Appl
Sequence 4, Appl
Sequence 3, Appl
Sequence 4, Appl
Sequence 53, Appl
Sequence 77, Appl
Sequence 581, Appl
Sequence 90, Appl
Sequence 77, Appl
Sequence 77, Appl
Sequence 90, Appl
Sequence 581, Appl
Sequence 581, Appl
Patent No. 5318899
Sequence 323, App

28 31.7 12 5 PCT-US95-00605-14
29 31.7 14 4 US-09-604-958-12
30 31.7 14 4 US-09-604-958-13
31 31.7 14 5 PCT-US93-12169-4
32 31.7 15 4 US-09-568-474-3
33 31.7 15 4 US-09-568-474-4
34 31.7 15 4 US-08-232-539D-53
35 30.5 7 2 US-08-851-843A-77
36 30.5 7 3 US-08-974-549A-581
37 30.5 7 3 US-09-139-802-90
38 30.5 7 3 US-08-854-050-77
39 30.5 7 4 US-09-430-323-77
40 30.5 7 4 US-09-659-786-90
41 30.5 7 4 US-08-926-914-90
42 30.5 7 4 US-09-402-181B-581
43 30.5 7 4 US-09-721-456-581
44 30.5 7 6 5318899-64
45 30.5 8 4 US-09-227-357-323

ALIGNMENTS

RESULT 1
US-08-372-952-5
; Sequence 5, Application US/08372952
; Patent No. 5645837
; GENERAL INFORMATION:
; APPLICANT: Jameson, Bradford A.
; APPLICANT: Choksi, Swati
; APPLICANT: Korgold, Robert
; TITLE OF INVENTION: CD8 Antagonists
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; STREET: One Liberty Place, 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-1440
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-372-952-5

Query Match 35.4%; Score 29; DB 1; Length 7;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CSDSMPC 11
 Db 1 CSQKPC 7

RESULT 2

US-08-875-309-5
 ; Sequence 5, Application US/08875309
 ; Patent No. 6180600
 ; GENERAL INFORMATION:
 ; APPLICANT: Jameson, Bradford A.
 ; APPLICANT: Choksi, Swati
 ; APPLICANT: Korngold, Robert
 ; APPLICANT: Huang, Ziwei
 ; TITLE OF INVENTION: CD8 Antagonists
 ; NUMBER OF SEQUENCES: 17
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6180600ris
 ; STREET: One Liberty Place, 46th Floor
 ; CITY: Philadelphia
 ; STATE: PA
 ; COUNTRY: USA
 ; ZIP: 19103
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Wordperfect
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/875,309
 ; FILING DATE: 26-NOV-1997
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US96/00310
 ; FILING DATE: 17-JAN-1996
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/372,952
 ; FILING DATE: 17-JAN-1995
 ; CLASSIFICATION: 424
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: DeLuca, Mark
 ; REGISTRATION NUMBER: 33,229
 ; REFERENCE/DOCKET NUMBER: TJU-1772
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 215-568-3100
 ; TELEFAX: 215-568-3439
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 7 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: circular
 ; MOLECULE TYPE: protein
 ; US-08-875-309-5

Query Match 35.4%; Score 29; DB 3; Length 7;
 Best Local Similarity 57.1%; Pred. No. 3e+05;
 Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CSDSMPC 11
 Db 1 CSQKPC 7

RESULT 3

PCT-US96-00310-5
 ; Sequence 5, Application PC/TUS9600310
 ; GENERAL INFORMATION:
 ; APPLICANT: Jameson, Bradford A.
 ; APPLICANT: Choksi, Swati
 ; APPLICANT: Korngold, Robert
 ; APPLICANT: Huang, Ziwei
 ; TITLE OF INVENTION: CD8 Antagonists

NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
 ; STREET: One Liberty Place, 46th Floor
 ; CITY: Philadelphia
 ; STATE: PA
 ; COUNTRY: USA
 ; ZIP: 19103
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Wordperfect
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US96/00310
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/372,952
 ; FILING DATE: 17-JAN-1995
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: DeLuca, Mark
 ; REGISTRATION NUMBER: 33,229
 ; REFERENCE/DOCKET NUMBER: TJU-1752
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 215-568-3100
 ; TELEFAX: 215-568-3439
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 7 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: circular
 ; MOLECULE TYPE: protein
 ; PCT-US96-00310-5

Query Match 35.4%; Score 29; DB 5; Length 7;
 Best Local Similarity 57.1%; Pred. No. 3e+05;
 Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CSDSMPC 11
 Db 1 CSQKPC 7

RESULT 4

US-09-628-665-28
 ; Sequence 28, Application US/09628665
 ; Patent No. 6673771
 ; GENERAL INFORMATION:
 ; APPLICANT: Greene, Mark I.
 ; APPLICANT: Murali, Ramachandran
 ; APPLICANT: Kinoshita, Masahiko
 ; TITLE OF INVENTION: Methods of Inhibiting Osteoclast Activity
 ; FILE REFERENCE: UPN3831
 ; CURRENT APPLICATION NUMBER: US/09/628,665
 ; CURRENT FILING DATE: 2000-07-28
 ; PRIOR APPLICATION NUMBER: 60/146,094
 ; PRIOR FILING DATE: 1999-07-28
 ; NUMBER OF SEQ ID NOS: 34
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 28
 ; LENGTH: 11
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: No. 6673771el Sequence
 ; US-09-628-665-28

Query Match 34.1%; Score 28; DB 4; Length 11;
 Best Local Similarity 55.6%; Pred. No. 1.9e+02;
 Matches 5; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 CSDSMPCKD 13
| | | |
Db 2 CPDSWHCYD 10

RESULT 5

US-08-322-962-11
; Sequence 11, Application US/08322962
; Patent No. 5466785
; GENERAL INFORMATION:
; APPLICANT: DeFramond, Annick J
; TITLE OF INVENTION: Tissue-Preferential Promoters
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/322,962
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/071,209
; FILING DATE: 02-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/508,207
; FILING DATE: 12-APR-1990
; NAME: Spruill, W. Murray
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 32,943
; REFERENCE/DOCKET NUMBER: S-18039/CGC 1479/CONT2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8615
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..14
; OTHER INFORMATION: /note= "carboxy terminus domain
; OTHER INFORMATION: containing the cys-x-cys motif of pea metallothionein"
US-08-322-962-11

Query Match 34.1%; Score 28; DB 1; Length 14;
Best Local Similarity 50.0%; Pred. No. 2.4e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 KCSDSMPC 11
| | | |
Db 2 KCGDNCTC 9

RESULT 6

US-08-322-962-12
; Sequence 12, Application US/08322962
; Patent No. 5466785
; GENERAL INFORMATION:
; APPLICANT: DeFramond, Annick J
; TITLE OF INVENTION: Tissue-Preferential Promoters
; NUMBER OF SEQUENCES: 13

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/322,962
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/071,209
; FILING DATE: 02-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/508,207
; FILING DATE: 12-APR-1990
; NAME: Spruill, W. Murray
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 32,943
; REFERENCE/DOCKET NUMBER: S-18039/CGC 1479/CONT2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8615
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-322-962-12

Query Match 34.1%; Score 28; DB 1; Length 14;
Best Local Similarity 36.4%; Pred. No. 2.4e+02;
Matches 4; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 5 CSDSMPCKDIX 15
| | | | |
Db 3 CAGSCKCKECR 13

RESULT 7

US-08-450-653-11
; Sequence 11, Application US/08450653
; Patent No. 6018099
; GENERAL INFORMATION:
; APPLICANT: DeFramond, Annick J
; TITLE OF INVENTION: Tissue-Preferential Promoters
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,653
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/322,962

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;
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/508,207
; FILING DATE: 12-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Spruill, W. Murray
; REGISTRATION NUMBER: 32,943
; REFERENCE/DOCKET NUMBER: S-18039/CGC 1479/CONT2
; TELEPHONE: 919-541-8615
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..14
; OTHER INFORMATION: /note= "carboxy terminus domain
; containing the cys-x-cys motif of pea metallothionein"
;
; US-08-450-653-11
;
; Query Match 34.1%; Score 28; DB 3; Length 14;
; Best Local Similarity 50.0%; Pred. No. 2.4e+02;
; Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
;
; QY 4 KCDSMPC 11
; DB 2 KCGDNCTC 9
;
; RESULT 8
; US-08-450-653-12
; Sequence 12, Application US/08450653
; Patent No. 6018099
; GENERAL INFORMATION:
; APPLICANT: DeFramond, Annick J
; TITLE OF INVENTION: Tissue-Preferential Promoters
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,653
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/322,962
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/508,207
; FILING DATE: 12-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Spruill, W. Murray
; REGISTRATION NUMBER: 32,943
; REFERENCE/DOCKET NUMBER: S-18039/CGC 1479/CONT2
; TELEPHONE: 919-541-8615
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
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;
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-450-653-12
;
; Query Match 34.1%; Score 28; DB 3; Length 14;
; Best Local Similarity 36.4%; Pred. No. 2.4e+02;
; Matches 4; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
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; QY 5 CDSMPCKDIK 15
; DB 3 CAGSCKCECR 13
;
; RESULT 9
; US-08-218-025A-13
; Sequence 13, Application US/08218025A
; Patent No. 5556744
; GENERAL INFORMATION:
; APPLICANT: Weiner, David B.
; APPLICANT: Ugen, Kenneth E.
; APPLICANT: Williams, William V.
; TITLE OF INVENTION: Methods and Compositions for Diagnosing
; TITLE OF INVENTION: and Treating Certain HIV Infected Patients
; NUMBER OF SEQUENCES: 197
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: P.O. Box 457, 321 No. 5556744Aristown Road
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/218,025A
; FILING DATE: 24-MAR-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/891,451
; FILING DATE: 29-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: WST33A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 540-9206
; TELEFAX: (215) 540-5818
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-218-025A-13
;
; Query Match 34.1%; Score 28; DB 1; Length 15;
; Best Local Similarity 57.1%; Pred. No. 2.6e+02;
; Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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; QY 1 IQLKCS 7
; DB 1 VSLKCTD 7
;
; RESULT 10
; US-09-618-259-33
; Sequence 33, Application US/09618259
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us-09-308-027a-21.closed.ra1

Thu Apr 29 11:08:50 2004

Patent No. 6642013
GENERAL INFORMATION:
APPLICANT: O'Brien, Timothy J.
APPLICANT: Underwood, Lowell J.
TITLE OF INVENTION: No. 6642013el Extracellular Serine Protease
FILE REFERENCE: D620CIP2
CURRENT APPLICATION NUMBER: US/09/619,259
CURRENT FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: US 09/127,444
PRIOR FILING DATE: 1998-08-21
NUMBER OF SEQ ID NOS: 72
SEQ ID NO 33
LENGTH: 9
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Residues 183-191 of the TADG-14 protein
US-09-618-259-33

Query Match 32.9%; Score 27; DB 4; Length 9;
Best Local Similarity 57.1%; Pred. No. 3e+05; 2; Indels 0;
Matches 4; Conservative 1; Mismatches 0; Gaps 0;

QY 4 KCQSDMP 10
|||:
Db 1 KCEDAYP 7

RESULT 11
US-08-179-481-121
Sequence 121, Application US/08179481
Patent No. 5624816
GENERAL INFORMATION:
APPLICANT: CARRAWAY, KERMIT L.
APPLICANT: CAROTHERS CARRAWAY, CORALIE A.
APPLICANT: FREGLEN, NEVIS L.
TITLE OF INVENTION: ONCOGENE PRODUCT LIGAND
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/179,481
FILING DATE: 28-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/922,521
FILING DATE: 30-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 200702/JM92-08CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 121:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-179-481-121

Query Match 32.9%; Score 27; DB 1; Length 11;
Best Local Similarity 33.3%; Pred. No. 2.7e+02;
Matches 3; Conservative 5; Mismatches 1; Indels 0;
Gaps 0;

QY 4 KCDSMPCK 12
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Db 3 RCTENVPCK 11

RESULT 12
US-08-750-142B-54
Sequence 54, Application US/08750142B
Patent No. 6228373
GENERAL INFORMATION:
APPLICANT: Bergstrand, Hakan
APPLICANT: Eriksson, Tomas
APPLICANT: Lindvall, Magnus
APPLICANT: Sarnstrand, Bergt
TITLE OF INVENTION: NEW PEPTIDES WITH
NUMBER OF SEQUENCES: 55
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/750,142B
FILING DATE: 25-NOV-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/SE96/00365
FILING DATE: 22-MAR-1996
APPLICATION NUMBER: SE9501067-4
FILING DATE: 24-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 06275/062001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-750-142B-54

Query Match 32.9%; Score 27; DB 3; Length 12;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0;
Gaps 0;

QY 10 PCKDIK 15
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Db 4 PCKMIK 9

RESULT 13
US-10-158-847-108
Sequence 108, Application US/10158847
Patent No. 6592865
GENERAL INFORMATION:
APPLICANT: Tom Parry et al.
TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity

; FILE REFERENCE: PF557
; CURRENT APPLICATION NUMBER: US/10/158,847
; PRIOR FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: 60/295,004
; PRIOR FILING DATE: 2001-06-04
; NUMBER OF SEQ ID NOS: 158
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 108
; LENGTH: 13
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-158-847-108

Query Match 32.9%; Score 27; DB 4; Length 13;
Best Local Similarity 40.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 CSDSMPCKDI 14
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Db 4 CFDPKDEL 13

RESULT 14
US-09-428-082B-484
; Sequence 484, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 484
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE
US-09-428-082B-484

Query Match 32.9%; Score 27; DB 4; Length 14;
Best Local Similarity 80.0%; Pred. No. 3.5e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MPCKD 13
| | | | |
Db 1 MPCKN 5

RESULT 15
US-09-428-082B-496
; Sequence 496, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 496
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE
US-09-428-082B-496

Query Match 32.9%; Score 27; DB 4; Length 14;
Best Local Similarity 80.0%; Pred. No. 3.5e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MPCKD 13
| | | | |
Db 1 MPCKN 5

Search completed: April 29, 2004, 09:27:35
Job time : 11.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-20

Perfect score: 74

Sequence: 1 ATAAAIQLKSDSMP 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	* Query Match	Length	DB ID	Description
1	28	37.8	13	1	US-08-305-871A-29
2	28	37.8	15	1	US-08-218-025A-13
3	27	36.5	9	4	US-09-618-259-33
4	26	35.1	15	4	US-09-568-474-3
5	26	35.1	15	4	US-09-568-474-4
6	25	33.8	7	2	US-08-232-339D-53
7	25	33.8	7	3	US-08-851-843A-77
8	25	33.8	7	3	US-08-974-549A-581
9	25	33.8	7	3	US-08-854-050-77
10	25	33.8	7	4	US-09-430-323-77
11	25	33.8	7	4	US-09-402-181B-581
12	25	33.8	7	4	US-09-721-456-581
13	25	33.8	12	2	US-08-164-292B-34
14	25	33.8	12	3	US-08-845-623-34
15	25	33.8	12	3	US-08-845-623-34
16	25	33.8	12	4	US-09-103-330-34
17	25	33.8	12	4	US-09-435-242-34
18	25	33.8	14	2	US-08-883-070-4
19	24	32.4	9	4	US-09-618-259-55
20	24	32.4	13	1	US-08-305-871A-19
21	24	32.4	13	3	US-09-155-941-19
22	24	32.4	13	3	US-09-155-941-20
23	24	32.4	13	4	US-08-788-822A-23
24	24	32.4	14	4	US-08-754-477A-34
25	24	32.4	15	1	US-08-306-231-15
26	24	32.4	15	1	US-08-355-888A-31
27	24	32.4	15	2	US-08-693-697-31

28	24	32.4	15	2	US-08-553-357A-64
29	24	32.4	15	3	US-08-693-696-31
30	24	32.4	15	3	US-09-457-046B-29
31	24	32.4	15	4	US-09-357-314-31
32	24	32.4	15	4	US-09-441-992-64
33	23	31.1	9	3	US-08-159-339A-143
34	23	31.1	11	1	US-08-179-481-121
35	23	31.1	12	6	5187077-33
36	23	31.1	12	6	5427925-31
37	23	31.1	13	4	US-09-205-258-927
38	23	31.1	13	5	PCT-US95-04121-19
39	23	31.1	14	2	US-08-459-568-68
40	23	31.1	14	2	US-08-399-411-68
41	23	31.1	14	3	US-08-516-859A-68
42	23	31.1	14	4	US-09-586-472-68
43	23	31.1	14	4	US-09-528-706-68
44	22.5	30.4	15	3	US-08-912-276-19
45	22	29.7	8	1	US-08-704-170-40

ALIGNMENTS

RESULT 1
US-08-305-871A-29
; Sequence 29, Application US/08305871A
; Patent No. 5736142
; GENERAL INFORMATION:
; APPLICANT: Sette, Alessandro
; APPLICANT: Gaeta, Federico
; APPLICANT: Grey, Howard M.
; APPLICANT: Sidney, John
; APPLICANT: Alexander, Jeffrey L.
; TITLE OF INVENTION: Alteration of Immune Response Using Pan
; TITLE OF INVENTION: DR-Binding Peptides
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/305,871A
; FILING DATE: 14-SEP-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/121,101
; FILING DATE: 14-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 14137-0062-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1..13
; OTHER INFORMATION: /note= "Peptide wherein X is

OTHER INFORMATION: tyrosine or phenylalanine."
US-08-305-871A-29

Query Match 37.8%; Score 28; DB 1; Length 13;
Best Local Similarity 54.5%; Pred. No. 62;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATAAIQLKCS 11
| | | | | :
Db 2 AXAAVTLKAA 12

RESULT 2
US-08-218-025A-13
; Sequence 13, Application US/08218025A
; Patent No. 5556744
; GENERAL INFORMATION:
; APPLICANT: Weiner, David B.
; APPLICANT: Weier, Kenneth E.
; APPLICANT: Williams, William V.
; TITLE OF INVENTION: Methods and Compositions for Diagnosing
; TITLE OF INVENTION: and Treating Certain HIV Infected Patients
; NUMBER OF SEQUENCES: 197
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: P. O. Box 457, 321 No. 5556744ristown Road
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/218.025A
; FILING DATE: 24-MAR-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/891,451
; FILING DATE: 29-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: WST33A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 540-9206
; TELEFAX: (215) 540-5818
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-218-025A-13

Query Match 37.8%; Score 28; DB 1; Length 15;
Best Local Similarity 57.1%; Pred. NO. 73;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 6 IQLKCS 12
| | | | | :
Db 1 VSLKCTD 7

RESULT 3
US-09-618-259-33
; Sequence 33, Application US/09618259
; Patent No. 6642013
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.

; TITLE OF INVENTION: No. 6642013el Extracellular Serine Protease
; FILE REFERENCE: D6020CIP2
; CURRENT APPLICATION NUMBER: US/09/618,259
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: US 09/127,444
; PRIOR FILING DATE: 1998-08-21
; NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 33
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 183-191 of the TADG-14 protein
US-09-618-259-33

Query Match 36.5%; Score 27; DB 4; Length 9;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 9 KCSDSMP 15
| | | | | :
Db 1 KCEDAYP 7

RESULT 4
US-09-568-474-3
; Sequence 3, Application US/09568474
; Patent No. 6489125
; GENERAL INFORMATION:
; APPLICANT: Marks, Andrew R.
; TITLE OF INVENTION: Controlling Pathways That Regulate Muscle Contraction
; TITLE OF INVENTION: In The Heart
; FILE REFERENCE: 0575/61134/JPW/ADM
; CURRENT APPLICATION NUMBER: US/09/568,474
; CURRENT FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)..(15)
; OTHER INFORMATION: FKBP12 binding site in IP3R1, starting at amino
; OTHER INFORMATION: acid sequence 1391
US-09-568-474-3

Query Match 35.1%; Score 26; DB 4; Length 15;
Best Local Similarity 33.3%; Pred. NO. 1.7e+02;
Matches 3; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 7 QLKCSDSMP 15
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Db 5 EIKCSLLP 13

RESULT 5
US-09-568-474-4
; Sequence 4, Application US/09568474
; Patent No. 6489125
; GENERAL INFORMATION:
; APPLICANT: Marks, Andrew R.
; TITLE OF INVENTION: Controlling Pathways That Regulate Muscle Contraction
; TITLE OF INVENTION: In The Heart
; FILE REFERENCE: 0575/61134/JPW/ADM
; CURRENT APPLICATION NUMBER: US/09/568,474
; CURRENT FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 15
; TYPE: PRT

US-09-568-474-4

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)..(15)
; OTHER INFORMATION: Kbp12 binding site in IP3R2, starting at amino
; OTHER INFORMATION: acid sequence 1390
US-09-568-474-4

Query Match          35.1%; Score 26; DB 4; Length 15;
Best Local Similarity 33.3%; Pred. No. 1.7e+02;
Matches 3; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 7 QLKCDSDMP 15
Db 5 EIKCNLLP 13

RESULT 6
US-08-232-539D-53
; Sequence 53, Application US/08232539D
; Patent No. 5965709
; GENERAL INFORMATION:
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; TITLE OF INVENTION: Ige Antagonists
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,539D
; FILING DATE: 21-Apr-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/178593
; FILING DATE: 07-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744768
; FILING DATE: 14-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P071893
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-232-539D-53

Query Match          33.8%; Score 25; DB 2; Length 7;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 10 CSDSMP 15
Db 1 CADSNP 6

RESULT 7
US-08-851-843A-77
; Sequence 77, Application US/08851843A
; Patent No. 6093809
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harlev, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: No. 6093809el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,843A
; FILING DATE: 06-MAY-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-851-843A-77

Query Match          33.8%; Score 25; DB 3; Length 7;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 10 CSDSMP 15
Db 1 CYDSIP 6

RESULT 8
US-08-974-549A-581
; Sequence 581, Application US/08974549A
; Patent No. 6166178
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru

```

APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg S.
APPLICANT: Harley, Calvin B.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Human telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 581:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-974-549A-581

Query Match 33.8%; Score 25; DB 3; Length 7;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0;

QY 10 CSDSMP 15

DB 1 CYDSIP 6

RESULT 9
US-08-854-050-77
Sequence 77, Application US/08854050
Patent No. 6261836
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg S.
APPLICANT: Harley, Calvin
APPLICANT: Andrews, William H.
TITLE OF INVENTION: No. 6261836el Telomerase
NUMBER OF SEQUENCES: 225
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/854,050
FILING DATE: 09-MAY-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002930US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 77:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-854-050-77

Query Match 33.8%; Score 25; DB 3; Length 7;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0;

QY 10 CSDSMP 15

DB 1 CYDSIP 6

RESULT 10
US-09-430-323-77

; Sequence 77, Application US/09430323
; Patent No. 6309867

GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.

; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin
; Andrews, William H.

TITLE OF INVENTION: No. 6309867el Telomerase

NUMBER OF SEQUENCES: 225

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94111

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/430.323

FILING DATE: 29-Oct-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/724,643

FILING DATE: 01-OCT-1996

ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.

REGISTRATION NUMBER: 36,429

REFERENCE/DOCKET NUMBER: 015389-002930US

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 77:
SEQUENCE CHARACTERISTICS:

LENGTH: 7 amino acids
TYPE: amino acid

STRANDEDNESS: <Unknown>
TOPOLOGY: linear

MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 77:

Query Match 33.8%; Score 25; DB 4; Length 7;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0;

QY 10 CSDSMP 15
| | | | |
Db 1 CYDSIP 6

RESULT 11

US-09-402-181B-581

; Sequence 581, Application US/09402181B
; Patent No. 6610839

GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.

; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.

TITLE OF INVENTION: Human Telomerase Catalytic Subunit

NUMBER OF SEQUENCES: 633

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/402.181B

FILING DATE: 29-Sep-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643

FILING DATE: 01-OCT-1996

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/911,312

FILING DATE: 14-AUG-1997

APPLICATION NUMBER: US 08/912,951

FILING DATE: 14-AUG-1997

APPLICATION NUMBER: US 08/915,503

FILING DATE: 14-AUG-1997

APPLICATION NUMBER: WO PCT/US97/17885

FILING DATE: 01-OCT-1997

ATTORNEY/AGENT INFORMATION:
NAME: Ausenhus, Scott L.

REGISTRATION NUMBER: 42,271

REFERENCE/DOCKET NUMBER: 015389-002620US

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 581:
SEQUENCE CHARACTERISTICS:

LENGTH: 7 amino acids
TYPE: amino acid

STRANDEDNESS: <Unknown>
TOPOLOGY: linear

MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 581:

Query Match 33.8%; Score 25; DB 4; Length 7;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0;

QY 10 CSDSMP 15
| | | | |
Db 1 CYDSIP 6

RESULT 12

US-09-721-456-581

Sequence 581, Application US/09721456
Patent No. 6617110
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-NOV-1997
CLASSIFICATION: <Unknown>
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 01389-002610US
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 581:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 581:
US-09-721-456-581

Query Match 33.8%; Score 25; DB 4; Length 7;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 10 CSDSMP 15

Db 1 CYDSIP 6
RESULT 13
US-08-164-292B-34
Sequence 34, Application US/08164292B
Patent No. 5820868
GENERAL INFORMATION:
APPLICANT: MITTAL, SURESH K.
APPLICANT: GRAHAM, FRANK L.
APPLICANT: PREVEC, LUDVIK
APPLICANT: BABIUK, LORNE A.
TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE
TITLE OF INVENTION: ADENOVIRUS EXPRESSION VECTOR SYSTEM
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 345 California Street
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94104-2675
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/164,292B
FILING DATE: 09-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: GRACEY, NANCY J.
REGISTRATION NUMBER: 28,216
REFERENCE/DOCKET NUMBER: 29310-20021.00
TELEPHONE: (415) 677-7000
TELEFAX: (415) 677-7522
TELEX: 34-0154
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-164-292B-34
Query Match 33.8%; Score 25; DB 2; Length 12;
Best Local Similarity 30.0%; Pred. No. 2e+02;
Matches 3; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
QY 6 IOLKCSDSMP 15
Db 1 VDLECHEVLP 10
RESULT 14
US-08-845-623-34
Sequence 34, Application US/08845623A
Patent No. 6001591
GENERAL INFORMATION:
APPLICANT: BABIUK, LORNE A.
APPLICANT: TIKOO, SURESH K.
APPLICANT: REDDY, POLICE S.
TITLE OF INVENTION: BOVINE ADENOVIRUS 3 GENOME
FILE REFERENCE: 293102002120
CURRENT APPLICATION NUMBER: US/08/845,623A
CURRENT FILING DATE: 1997-04-25
EARLIER APPLICATION NUMBER: 08/164,294
EARLIER FILING DATE: 1993-12-09
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patent in Ver. 2.0


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; SEQ ID NO 34
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Bovine adenovirus type 3
US-08-845-623-34

Query Match      33.8%; Score 25; DB 3; Length 12;
Best Local Similarity 30.0%; Pred. No. 2e+02;
Matches 3; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      6 IQLKCDSDMP 15
Db      1 VDLECHEVLP 10

RESULT 15
US-08-815-927-34
; Sequence 34, Application US/08815927
; Patent No. 6086890
; GENERAL INFORMATION:
; APPLICANT: MITTAL, SURESH K.
; APPLICANT: GRAHAM, FRANK L.
; APPLICANT: PREVIC, LUDVIK
; APPLICANT: BABIUK, LORNE A.
; TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE ADENOVIRUS EXPRESSION
; FILE REFERENCE: 293102002101
; CURRENT APPLICATION NUMBER: US/08/815,927
; CURRENT FILING DATE: 1997-03-13
; EARLIER APPLICATION NUMBER: 08/164,294
; EARLIER FILING DATE: 1993-12-09
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Bovine adenovirus type 3
US-08-815-927-34

Query Match      33.8%; Score 25; DB 3; Length 12;
Best Local Similarity 30.0%; Pred. No. 2e+02;
Matches 3; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      6 IQLKCDSDMP 15
Db      1 VDLECHEVLP 10

Search completed: April 29, 2004, 09:27:35
Job time : 12.85 secs
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RESULT 2
US-10-354-240-150
; Sequence 150, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 150
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 67
US-10-354-240-150

Query Match 67.1%; Score 55; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.054; 0; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 6 SDSMPCKDIK 15
| | | | |
DB 1 SDSMPCKDIK 10
| | | | |

RESULT 3
US-10-354-240-148
; Sequence 148, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 148
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 65
US-10-354-240-148

Query Match 64.6%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.11; 0; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 1 IQLKCSDSMP 10
| | | | |
DB 6 IQLKCSDSMP 15
| | | | |

RESULT 4
US-10-072-602B-507
; Sequence 507, Application US/10072602B
; Publication No. US20030109570A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Watkins, Maren E.
; APPLICANT: Garrett, James E.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Grilley, Michelle
; APPLICANT: Schoenfeld, Robert M.
; APPLICANT: Walker, Craig
; APPLICANT: Shetty, Reshma
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Cone Snail Peptides
; FILE REFERENCE: 2314-249
; CURRENT APPLICATION NUMBER: US/10/072,602B
; CURRENT FILING DATE: 2002-02-11
; PRIOR APPLICATION NUMBER: US 60/267,408
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 638
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 507
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Conus betulinus
US-10-072-602B-507

Query Match 39.0%; Score 32; DB 14; Length 11;
Best Local Similarity 71.4%; Pred. No. 1.7e+02; 0; Mismatches 2; Indels 0; Gaps 0;
Matches 5; Conservative 0;

QY 5 CSDSMPC 11
| | | | |
DB 3 CPDSPPC 9
| | | | |

RESULT 5
US-09-910-009A-463
; Sequence 463, Application US/09910009A
; Publication No. US2003050234A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Garrett, James E.
; APPLICANT: Watkins, Maren
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Shon, Ki-Joon
; APPLICANT: Jacobsen, Richard
; APPLICANT: Jones, Robert M.
; APPLICANT: Cartier, G. Edward
; APPLICANT: Shen, Greg S.
; APPLICANT: Wagstaff, John D.
; TITLE OF INVENTION: Mu-Conopeptides
; FILE REFERENCE: 2314-242
; CURRENT APPLICATION NUMBER: US/09/910,009A
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 60/219,619
; PRIOR FILING DATE: 2000-07-21
; PRIOR APPLICATION NUMBER: US 60/245,157
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 60/264,319

;
; PRIOR FILING DATE: 2001-01-29
; PRIOR APPLICATION NUMBER: US 60/277,270
; PRIOR FILING DATE: 2001-03-21
; NUMBER OF SEQ ID NOS: 520
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 463
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Conus spurius
US-09-910-009A-463

Query Match 36.6%; Score 30; DB 10; Length 12;
Best Local Similarity 50.0%; Pred. No. 3.8e+02;
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 KCSDSMP 11
Db 4 RCSECNPC 11

RESULT 6
US-09-949-375A-14
; Sequence 14, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING ICE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic amino acid sequence of SEQ ID NO: 13.

US-09-949-375A-14

Query Match 36.6%; Score 30; DB 9; Length 14;
Best Local Similarity 71.4%; Pred. No. 4.5e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 KCSDSMP 10
Db 4 KCADSNP 10

RESULT 7
US-09-910-009A-390
; Sequence 390, Application US/09910009A
; Publication No. US20030050234A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Garrett, James E.
; APPLICANT: Watkins, Maren
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Shon, Ki-Joon
; APPLICANT: Jacobsen, Richard
; APPLICANT: Jones, Robert M.
; APPLICANT: Cartier, G. Edward
; APPLICANT: Shen, Greg S.
; APPLICANT: Wagstaff, John D.
; TITLE OF INVENTION: Mu-Conopeptides
; FILE REFERENCE: 2314-242
; CURRENT APPLICATION NUMBER: US/09/910,009A
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 60/219,619
; PRIOR FILING DATE: 2000-07-21

;
; PRIOR APPLICATION NUMBER: US 60/245,157
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 60/264,319
; PRIOR FILING DATE: 2001-01-29
; PRIOR APPLICATION NUMBER: US 60/277,270
; PRIOR FILING DATE: 2001-03-21
; NUMBER OF SEQ ID NOS: 520
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 390
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Conus betulinus
US-09-910-009A-390

Query Match 35.4%; Score 29; DB 10; Length 14;
Best Local Similarity 57.1%; Pred. No. 6.4e+02;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CSDSMP 11
Db 6 CTCMPC 12

RESULT 8
US-09-910-009A-391
; Sequence 391, Application US/09910009A
; Publication No. US20030050234A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Garrett, James E.
; APPLICANT: Watkins, Maren
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Shon, Ki-Joon
; APPLICANT: Jacobsen, Richard
; APPLICANT: Jones, Robert M.
; APPLICANT: Cartier, G. Edward
; APPLICANT: Shen, Greg S.
; APPLICANT: Wagstaff, John D.
; TITLE OF INVENTION: Mu-Conopeptides
; FILE REFERENCE: 2314-242
; CURRENT APPLICATION NUMBER: US/09/910,009A
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 60/219,619
; PRIOR FILING DATE: 2000-07-21
; PRIOR APPLICATION NUMBER: US 60/245,157
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 60/264,319
; PRIOR FILING DATE: 2001-01-29
; PRIOR APPLICATION NUMBER: US 60/277,270
; PRIOR FILING DATE: 2001-03-21
; NUMBER OF SEQ ID NOS: 520
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 391
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Conus betulinus
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Xaa is Glu or gamma-carboxy Glu
US-09-910-009A-391

Query Match 35.4%; Score 29; DB 10; Length 14;
Best Local Similarity 57.1%; Pred. No. 6.4e+02;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CSDSMP 11
Db 7 CTCMPC 13

RESULT 9

US-09-910-009A-392
 ; Sequence 392, Application US/09910009A
 ; Publication No. US20030050234A1
 ; GENERAL INFORMATION:
 ; APPLICANT: University of Utah Research Foundation
 ; APPLICANT: Cognetix, Inc.
 ; APPLICANT: Olivera, Baldomero M.
 ; APPLICANT: McIntosh, J. Michael
 ; APPLICANT: Garrett, James E.
 ; APPLICANT: Watkins, Maren
 ; APPLICANT: Cruz, Lourdes J.
 ; APPLICANT: Shon, Ki-Joon
 ; APPLICANT: Jacobsen, Richard
 ; APPLICANT: Jones, Robert M.
 ; APPLICANT: Cartier, G. Edward
 ; APPLICANT: Shen, Greg S.
 ; APPLICANT: Wagstaff, John D.
 ; TITLE OF INVENTION: Mu-Conopeptides
 ; FILE REFERENCE: 2314-242
 ; CURRENT APPLICATION NUMBER: US/09/910,009A
 ; CURRENT FILING DATE: 2001-07-23
 ; PRIOR APPLICATION NUMBER: US 60/219,619
 ; PRIOR FILING DATE: 2000-07-21
 ; PRIOR APPLICATION NUMBER: US 60/245,157
 ; PRIOR FILING DATE: 2000-11-03
 ; PRIOR APPLICATION NUMBER: US 60/264,319
 ; PRIOR FILING DATE: 2001-01-29
 ; PRIOR APPLICATION NUMBER: US 60/277,270
 ; PRIOR FILING DATE: 2001-03-21
 ; NUMBER OF SEQ ID NOS: 520
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO 392
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Conus betulinus
 ; FEATURE:

US-09-910-009A-392

Query Match 35.4%; Score 29; DB 10; Length 14;
 Best Local Similarity 57.1%; Pred. No. 6.4e+02;
 Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 CSDSMPC 11
 : : : :
 DB 6 CTTCMPC 12

RESULT 10

US-10-354-240-151
 ; Sequence 151, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akimori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kousuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO 151
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:

; NAME/KEY: MISC FEATURE
 ; LOCATION: (1)-(15)
 ; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 68
 US-10-354-240-151

Query Match 35.4%; Score 29; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 6.9e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 CKDIK 15
 : : : : :
 DB 1 CKDIK 5

RESULT 11

US-09-572-404B-2387
 ; Sequence 2387, Application US/09572404B
 ; Publication No. US20030078374A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Proteom Ltd
 ; TITLE OF INVENTION: Complementary peptide ligands from the human genome
 ; FILE REFERENCE: Human patent
 ; CURRENT APPLICATION NUMBER: US/09/572,404B
 ; CURRENT FILING DATE: 2000-05-17
 ; NUMBER OF SEQ ID NOS: 4203
 ; SOFTWARE: ProtPatent version 1.0
 ; SEQ ID NO 2387
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Homo Sapiens
 ; FEATURE:
 ; OTHER INFORMATION: sequence located in C8A at 81-90 and may interact with Sequence
 ; OTHER INFORMATION: this patent.
 US-09-572-404B-2387

Query Match 34.1%; Score 28; DB 10; Length 10;
 Best Local Similarity 50.0%; Pred. No. 6.6e+02;
 Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 QLKCSDSMPC 11
 : : : : :
 DB 1 QASCSSTTC 10

RESULT 12

US-09-572-404B-2399
 ; Sequence 2399, Application US/09572404B
 ; Publication No. US20030078374A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Proteom Ltd
 ; TITLE OF INVENTION: Complementary peptide ligands from the human genome
 ; FILE REFERENCE: Human patent
 ; CURRENT APPLICATION NUMBER: US/09/572,404B
 ; CURRENT FILING DATE: 2000-05-17
 ; NUMBER OF SEQ ID NOS: 4203
 ; SOFTWARE: ProtPatent version 1.0
 ; SEQ ID NO 2399
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Homo Sapiens
 ; FEATURE:
 ; OTHER INFORMATION: sequence located in C8A at 81-90 and may interact with Sequence
 ; OTHER INFORMATION: this patent.
 US-09-572-404B-2399

Query Match 34.1%; Score 28; DB 10; Length 10;
 Best Local Similarity 50.0%; Pred. No. 6.6e+02;
 Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 QLKCSDSMPC 11
 : : : : :
 DB 1 QASCSSTTC 10

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; SEQ ID NO 391
; LENGTH: 10
; TYPE: PRT
; ORGANISM: mycoplasma genitalium
; FEATURE:
; OTHER INFORMATION: Sequence located in MG122 at 639-648 and may interact with Seque
; OTHER INFORMATION: in this patent.
US-09-573-822C-391

Query Match          34.1%; Score 28; DB 10; Length 10;
Best Local Similarity 52.5%; Pred. No. 6.6e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      5 CSDSMPC 12
      |||
Db      2 CSDPECK 9
      |||

Search completed: April 29, 2004, 10:34:11
Job time : 30.85 secs

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RESULT 13
US-09-572-404B-2485
; Sequence 2485, Application US/09572404B
; Publication No. US20030078374A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands from the human genome
; FILE REFERENCE: Human patent
; CURRENT APPLICATION NUMBER: US/09/572,404B
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 4203
; SOFTWARE: ProtPatent version 1.0
; SEQ ID NO 2485
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: sequence located in C8A at 81-90 and may interact with Sequence 2
; OTHER INFORMATION: this patent.
US-09-572-404B-2485

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Query Match          34.1%; Score 28; DB 10; Length 10;
Best Local Similarity 50.0%; Pred. No. 6.6e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      2 QLKCDSDMPC 11
      |||
Db      1 QASCSSTTC 10
      |||

```

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RESULT 14
US-09-572-404B-2543
; Sequence 2543, Application US/09572404B
; Publication No. US20030078374A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands from the human genome
; FILE REFERENCE: Human patent
; CURRENT APPLICATION NUMBER: US/09/572,404B
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 4203
; SOFTWARE: ProtPatent version 1.0
; SEQ ID NO 2543
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: sequence located in C8A at 81-90 and may interact with Sequence 2
; OTHER INFORMATION: this patent.
US-09-572-404B-2543

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```

Query Match          34.1%; Score 28; DB 10; Length 10;
Best Local Similarity 50.0%; Pred. No. 6.6e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      2 QLKCDSDMPC 11
      |||
Db      1 QASCSSTTC 10
      |||

```

```

RESULT 15
US-09-573-822C-391
; Sequence 391, Application US/09573822C
; Publication No. US20030199011A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands generated from microbial genome seq
; FILE REFERENCE: Microbe patent
; CURRENT APPLICATION NUMBER: US/09/573,822C
; CURRENT FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 804
; SOFTWARE: ProtPatent version 1.0

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GenCore version 5.1.6
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CM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-19

Perfect score: 76

Sequence: 1 SRAEVSXVHNGAKF 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued patents AA:*

- 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pdp:*
- 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pdp:*
- 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pdp:*
- 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pdp:*
- 5: /cgn2_6/ptodata/2/iaa/PTCUS_COMB.pdp:*
- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pdp:*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	43.4	9	4	US-09-644-600-42
2	33	43.4	9	4	US-09-654-600A-42
3	30	39.5	10	1	US-08-612-588-7
4	30	39.5	10	1	US-08-612-588-9
5	30	39.5	13	3	US-08-159-339A-1117
6	29	38.2	8	1	US-08-266-514-20
7	29	38.2	8	1	US-08-654-604-20
8	29	38.2	9	1	US-08-266-514-30
9	29	38.2	9	2	US-08-654-604-30
10	29	38.2	12	1	US-08-266-514-21
11	29	38.2	12	2	US-08-654-604-21
12	28	36.8	15	6	5439796-5
13	27.5	36.2	11	3	US-08-159-339A-1132
14	27	35.5	9	1	US-08-465-167A-29
15	27	35.5	10	1	US-08-465-167A-7
16	27	35.5	10	1	US-08-465-167A-40
17	27	35.5	10	4	US-08-197-484-92
18	27	35.5	10	4	US-08-197-484-151
19	27	35.5	10	4	US-08-627-820-7
20	27	35.5	10	5	PCT-US95-02121-92
21	27	35.5	10	5	PCT-US95-02121-151
22	27	35.5	11	1	US-08-465-167A-9
23	27	35.5	11	1	US-08-465-167A-12
24	27	35.5	11	1	US-08-627-820-9
25	27	35.5	11	4	US-08-627-820-13
26	27	35.5	12	1	US-08-465-167A-13
27	27	35.5	12	4	US-08-627-820-13

28	27	35.5	14	3	US-09-188-579-89	Sequence 89, Appl
29	27	35.5	14	3	US-09-315-444-89	Sequence 89, Appl
30	27	35.5	14	4	US-09-721-362-89	Sequence 89, Appl
31	27	35.5	15	4	US-09-894-998A-63	Sequence 63, Appl
32	26	34.2	9	3	US-09-373-962-35	Sequence 35, Appl
33	26	34.2	9	3	US-09-245-680-35	Sequence 35, Appl
34	26	34.2	9	3	US-09-198-806C-35	Sequence 35, Appl
35	26	34.2	9	3	US-09-352-191-35	Sequence 35, Appl
36	26	34.2	9	4	US-09-012-400-35	Sequence 35, Appl
37	26	34.2	9	4	US-09-644-600-96	Sequence 96, Appl
38	26	34.2	9	4	US-09-264-563-35	Sequence 35, Appl
39	26	34.2	9	4	US-09-307-940B-35	Sequence 35, Appl
40	26	34.2	9	4	US-09-657-880-35	Sequence 35, Appl
41	26	34.2	9	4	US-09-266-293A-35	Sequence 35, Appl
42	26	34.2	9	4	US-09-654-600A-96	Sequence 96, Appl
43	26	34.2	13	3	US-08-159-339A-1115	Sequence 1115, Ap
44	26	34.2	15	4	US-09-217-288B-29	Sequence 29, Appl
45	25	32.9	10	2	US-08-116-778E-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1
US-09-644-600-42
; Sequence 42, Application US/09644600
; Patent No. 6451500
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotooshi
; TITLE OF INVENTION: TAGD-15: An Extracellular Serine Protease
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09/644,600
; CURRENT FILING DATE: 2000-08-23
; PRIOR FILING DATE: 1999-10-20
; PRIOR FILING DATE: 1998-02-20
; PRIOR FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 42
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 401-409 of the TAGD-15 protein
US-09-644-600-42

Query Match 43.4%; Score 33; DB 4; Length 9;
Best Local Similarity 55.6%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 7 YVHVGAKF 15
|||:|:
Db 1 YVEINGEKY 9

RESULT 2
US-09-654-600A-42
; Sequence 42, Application US/09654600A
; Patent No. 6649741
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotooshi
; TITLE OF INVENTION: TAGD-15: An Extracellular Serine Protease
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09/654,600A
; CURRENT FILING DATE: 2000-09-01
; PRIOR FILING DATE: 1999-10-20
; PRIOR FILING DATE: 1998-02-20

; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 42
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 401-409 of the TADG-15 protein
US-09-654-600A-42

Query Match 43.4%; Score 33; DB 4; Length 9;
Best Local Similarity 55.6%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 7 YVHVNGAKF 15
Db 1 YVEINGEKY 9

RESULT 3
US-08-612-588-7
; Sequence 7, Application US/08612588
; Patent No. 5736027
; GENERAL INFORMATION:
; APPLICANT: Olefsky, Jerrold M.
; TITLE OF INVENTION: METHOD FOR TREATMENT OF INSULIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 08-MAR-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07257/023001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 4
; OTHER INFORMATION: /note= "Tyr is phosphotyrosine"

Query Match 39.5%; Score 30; DB 1; Length 10;
Best Local Similarity 50.0%; Pred. No. 25;
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 5 VSVYHVNG 12
Db 2 IPYTHNG 9

RESULT 4
US-08-612-588-7
; Sequence 7, Application US/08612588
; Patent No. 5736027
; GENERAL INFORMATION:
; APPLICANT: Olefsky, Jerrold M.
; TITLE OF INVENTION: METHOD FOR TREATMENT OF INSULIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 08-MAR-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07257/023001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 4
; OTHER INFORMATION: /note= "Tyr is phosphotyrosine"

Query Match 39.5%; Score 30; DB 1; Length 10;
Best Local Similarity 50.0%; Pred. No. 25;
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 5 VSVYHVNG 12
Db 2 IPYTHNG 9

RESULT 4

US-08-612-588-9
; Sequence 9, Application US/08612588
; Patent No. 5736027
; GENERAL INFORMATION:
; APPLICANT: Olefsky, Jerrold M.
; TITLE OF INVENTION: METHOD FOR TREATMENT OF INSULIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 08-MAR-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07257/023001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 4
; OTHER INFORMATION: /note= "Tyr is phosphotyrosine"

Query Match 39.5%; Score 30; DB 1; Length 10;
Best Local Similarity 50.0%; Pred. No. 25;
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 5 VSVYHVNG 12
Db 2 IPYTHNG 9

RESULT 5
US-08-159-339A-1117
; Sequence 1117, Application US/08159339A
; Patent No. 6037135
; GENERAL INFORMATION:
; APPLICANT: Kubo, Ralph T.
; APPLICANT: Grey, Howard M.
; APPLICANT: Sette, Alessandro
; APPLICANT: Celis, Esteban
; TITLE OF INVENTION: HLA Binding peptides and Their
; NUMBER OF SEQUENCES: 1254
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fast-SEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/159,339A
FILING DATE: 29-NOV-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/926,666
FILING DATE: 07-AUG-1992
APPLICATION NUMBER: US 08/027,746
FILING DATE: 05-MAR-1993
APPLICATION NUMBER: US 08/103,396
FILING DATE: 06-AUG-1993
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 018623-005030US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
TELEX:
INFORMATION FOR SEQ ID NO: 1117:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-159-339A-117

Query Match 39.5%; Score 30; DB 3; Length 13;
Best Local Similarity 85.7%; Pred. No. 34;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 VSVYVHN 11
|||:|
Db 3 VSVYVHN 9

RESULT 6
US-08-266-514-20
; Sequence 20, Application US/08266514
; Patent No. 5594105
; GENERAL INFORMATION:
; APPLICANT: COMOGGIO, PAOLO
; APPLICANT: PONZETTO, CAROLA
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND
; TITLE OF INVENTION: MOTOGENESIS
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/266,514
; FILING DATE: 27-JUN-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9313528
; FILING DATE: 30-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9407673.4

FILING DATE: 18-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5594105man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 769-323-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: /note= "The Tyr residue at position 1 may
; OTHER INFORMATION: be phosphorylated.
US-08-266-514-20

Query Match 38.2%; Score 29; DB 1; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 YVHVN 11
|||
Db 1 YVHVN 5

RESULT 7
US-08-654-604-20
; Sequence 20, Application US/08654604
; Patent No. 5912183
; GENERAL INFORMATION:
; APPLICANT: COMOGGIO, PAOLO
; APPLICANT: PONZETTO, CAROLA
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND
; TITLE OF INVENTION: MOTOGENESIS
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/654,604
; FILING DATE: 29-MAY-1996
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/266,514
; FILING DATE: 27-JUN-1994
; APPLICATION NUMBER: GB 9313528
; FILING DATE: 30-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9407673.4
; FILING DATE: 18-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5912183man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 769-323-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220

TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: /note= "The Tyr residue at position 1 may
be phosphorylated."
US-08-654-604-20

Query Match 38.2%; Score 29; DB 2; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 7 YVHVN 11
DB 1 YVHVN 5

RESULT 8
US-08-266-514-30
; Sequence 30, Application US/08266514
; Patent No. 5594105
; GENERAL INFORMATION:
; APPLICANT: COMOGLIO, PAOLO
; APPLICANT: PONZETTO, CAROLA
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND
; TITLE OF INVENTION: MOTOGENESIS
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/266,514
; FILING DATE: 27-JUN-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9313528
; FILING DATE: 30-JUN-1993
; APPLICATION DATA:
; FILING DATE: 18-APR-1994
; NAME: Oblon, No. 5594105man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 769-323-0
; TELEPHONE: (703) 413-3000
; TELEFAX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Modified-site
LOCATION: 5
OTHER INFORMATION: /note= "The Tyr residue at position 5
may be phosphorylated."
US-08-654-604-20

Query Match 38.2%; Score 29; DB 2; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OTHER INFORMATION: /note= "The Tyr residue at position 5
may be phosphorylated."
US-08-266-514-30

Query Match 38.2%; Score 29; DB 1; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 7 YVHVN 11
DB 5 YVHVN 9

RESULT 9
US-08-654-604-30
; Sequence 30, Application US/08654604
; Patent No. 5912183
; GENERAL INFORMATION:
; APPLICANT: COMOGLIO, PAOLO
; APPLICANT: PONZETTO, CAROLA
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND
; TITLE OF INVENTION: MOTOGENESIS
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/654,604
; FILING DATE: 29-MAY-1996
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/266,514
; FILING DATE: 27-JUN-1994
; APPLICATION NUMBER: GB 9313528
; FILING DATE: 30-JUN-1993
; APPLICATION DATA:
; FILING DATE: 18-APR-1994
; NAME: Oblon, No. 5912183man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 769-323-0
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELETYPE: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Modified-site
LOCATION: 5
OTHER INFORMATION: /note= "The Tyr residue at position 5
may be phosphorylated."
US-08-654-604-30

Query Match 38.2%; Score 29; DB 2; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 YVHVN 11
|||||
Db 5 YVHVN 9

RESULT 10
US-08-266-514-21
; Sequence 21, Application US/08266514
; Patent No. 5594105
; GENERAL INFORMATION:
; APPLICANT: COMOGLIO, PAOLO
; APPLICANT: PONZETTO, CAROLA
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESS: P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/266,514
; FILING DATE: 27-JUN-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9313528
; FILING DATE: 30-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9407673.4
; FILING DATE: 18-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5594105man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 769-323-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /note= "The Tyr residue at position 1 may
; OTHER INFORMATION: be phosphorylated."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 8
; OTHER INFORMATION: /note= "The Tyr residue at position 8 may
; OTHER INFORMATION: be phosphorylated."
US-08-266-514-21
Query Match 38.2%; Score 29; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 YVHVN 11
|||||
Db 1 YVHVN 5

RESULT 11
US-08-654-604-21
; Sequence 21, Application US/08654604
; Patent No. 5912183
; GENERAL INFORMATION:
; APPLICANT: COMOGLIO, PAOLO
; APPLICANT: PONZETTO, CAROLA
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESS: P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/654,604
; FILING DATE: 29-MAY-1996
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/266,514
; FILING DATE: 27-JUN-1994
; APPLICATION NUMBER: GB 9313528
; FILING DATE: 30-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9407673.4
; FILING DATE: 18-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5912183man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 769-323-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELETYPE: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /note= "The Tyr residue at position 1 may
; OTHER INFORMATION: be phosphorylated."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 8
; OTHER INFORMATION: /note= "The Tyr residue at position 8 may
; OTHER INFORMATION: be phosphorylated."
US-08-654-604-21
Query Match 38.2%; Score 29; DB 2; Length 12;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 YVHVN 11
|||||
Db 1 YVHVN 5

RESULT 12
5439796-5
; Patent No. 5439796

; APPLICANT: Traish, Abdulmagid M, Motiz, Herbert H.
 ; TITLE OF INVENTION: SPECIFIC MONOCLONAL ANTIBODIES AGAINST A
 ; DEFINED EPITOPE OF PROGESTERONE RECEPTOR AND METHODS FOR THEIR USE
 ; NUMBER OF SEQUENCES: 5
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/77,902
 ; FILING DATE: 23-JUL-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 762,246
 ; FILING DATE: 19-SEP-1991
 ; APPLICATION NUMBER: 494,356
 ; FILING DATE: 16-MAR-1990
 ; APPLICATION NUMBER: 388,091
 ; FILING DATE: 31-JUL-1989
 ; SEQ ID NO:5:
 ; LENGTH: 15
 5439796-5

Query Match 36.8%; Score 28; DB 6; Length 15;
 Best Local Similarity 71.4%; Pred. No. 92;
 Matches 5; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY 6 SYHVNG 12
 |||||
 Db 4 SYKHSV 10

RESULT 13
 US-08-159-339A-1132
 ; Sequence 1132, Application US/08159339A
 ; Patent No. 6037135

; GENERAL INFORMATION:
 ; APPLICANT: Kubo, Ralph T.
 ; APPLICANT: Grey, Howard M.
 ; APPLICANT: Sette, Alessandro
 ; APPLICANT: Celis, Esteban
 ; TITLE OF INVENTION: HLA Binding peptides and Their
 ; USES
 ; NUMBER OF SEQUENCES: 1254
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend and Crew LLP
 ; STREET: Two Embarcadero Center, Eighth Floor
 ; CITY: San Francisco
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94111-3834

; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/159,339A
 ; FILING DATE: 29-NOV-1993

; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/926,666
 ; FILING DATE: 07-AUG-1992
 ; APPLICATION NUMBER: US 08/027,746
 ; FILING DATE: 05-MAR-1993
 ; APPLICATION NUMBER: US 08/103,396
 ; FILING DATE: 06-AUG-1993

; ATTORNEY/AGENT INFORMATION:
 ; NAME: Weber, Ellen Lauver
 ; REGISTRATION NUMBER: 32,762
 ; REFERENCE/DOCKET NUMBER: 018623-005030US
 ; TELEPHONE: (415) 576-0200
 ; TELEFAX: (415) 576-0300
 ; TELEX:

; INFORMATION FOR SEQ ID NO: 1132:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 11 amino acids

; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 US-08-159-339A-1132
 Query Match 36.2%; Score 27.5; DB 3; Length 11;
 Best Local Similarity 63.6%; Pred. No. 79;
 Matches 7; Conservative 1; Mismatches 2; Indels 1; Gaps 1;

QY 6 SYHVNV-GAKF 15
 |||||
 Db 1 SYVNTNMGKLF 11

RESULT 14
 US-08-465-167A-29
 ; Sequence 29, Application US/08465167A
 ; Patent No. 5750395

; GENERAL INFORMATION:
 ; APPLICANT: Fikes, John D.
 ; APPLICANT: Livingston, Brian D.
 ; APPLICANT: Sette, Alessandro D.
 ; APPLICANT: Sidnev, John C.
 ; TITLE OF INVENTION: DNA ENCODING MAGE-1 C-TERMINAL
 ; IMMUNOGENIC PEPTIDES (as amended)
 ; NUMBER OF SEQUENCES: 51
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend and Crew LLP
 ; STREET: Two Embarcadero Center, 8th Floor
 ; CITY: San Francisco
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 98111

; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/465,167A
 ; FILING DATE: 05-JUN-1995

; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/103,623
 ; FILING DATE: 06-AUG-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Parmelee, Steven W.
 ; REGISTRATION NUMBER: 31,990
 ; REFERENCE/DOCKET NUMBER: 14137-60-1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 206-467-9600
 ; TELEFAX: 415-576-0300

; INFORMATION FOR SEQ ID NO: 29:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 9 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-465-167A-29

Query Match 35.5%; Score 27; DB 1; Length 9;
 Best Local Similarity 75.0%; Pred. No. 3e+05;
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10
 |||||
 Db 2 AETSYVKV 9

RESULT 15
 US-08-465-167A-7

```

; Sequence 7, Application US/08465167A
; Patent No. 5750395
; GENERAL INFORMATION:
; APPLICANT: Fikes, John D.
; APPLICANT: Livingston, Brian D.
; APPLICANT: Sette, Alessandro D.
; APPLICANT: Sidney, John C.
; TITLE OF INVENTION: DNA ENCODING MAGE-1 C-TERMINAL
; TITLE OF INVENTION: IMMUNOGENIC PEPTIDES (as amended)
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,167A
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/103,623
; FILING DATE: 06-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steven W.
; REGISTRATION NUMBER: 31,990
; REFERENCE/DOCKET NUMBER: 14137-60-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-467-9600
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-465-167A-7

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Query Match      35.5%; Score 27; DB 1; Length 10;
Best Local Similarity 75.0%; Pred. No. 88;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY      3 AETSIVKH 10
      |||||
Db      3 AETSIVKH 10

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Search completed: April 29, 2004, 09:27:34
Job time : 11.85 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-20

Perfect score: 74
Sequence: 1 ATAAAIQLKCSDSMP 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 19368

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
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11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
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13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Score	Match Length	ID	Description
1	74	100.0	15	US-10-354-240-148
2	53	71.6	15	Sequence 148, App
3	48	64.9	15	Sequence 149, App
4	30	40.5	14	US-10-354-240-147
5	28	37.8	10	US-09-949-375A-14
6	28	37.8	10	US-09-572-404B-623
7	27	36.5	9	US-09-905-831-10
8	27	36.5	9	US-09-796-294-33
9	26	35.1	10	US-10-461-787-33
10	26	35.1	10	US-10-462-452-505
11	26	35.1	10	US-10-043-487-506
12	26	35.1	13	US-10-043-487-506
13	26	35.1	15	US-10-325-694-22
14	26	35.1	15	US-10-052-788-2
15	25	33.8	15	US-10-354-240-150
			9	US-09-843-676-77

16	25	33.8	7	9	US-09-766-253-77	Sequence 77, Appl
17	25	33.8	7	10	US-09-438-486-77	Sequence 77, Appl
18	25	33.8	7	12	US-10-325-810-581	Sequence 581, App
19	25	33.8	7	14	US-10-053-758-77	Sequence 77, Appl
20	25	33.8	7	14	US-10-054-295-77	Sequence 77, Appl
21	25	33.8	7	14	US-10-054-611-77	Sequence 77, Appl
22	25	33.8	7	15	US-10-408-166-320	Sequence 320, App
23	25	33.8	8	15	US-10-408-166-319	Sequence 319, App
24	25	33.8	9	8	US-08-821-739A-18	Sequence 18, Appl
25	25	33.8	9	14	US-10-040-862-9629	Sequence 9629, App
26	25	33.8	9	14	US-10-040-862-9870	Sequence 9870, App
27	25	33.8	9	14	US-10-040-862-9932	Sequence 9932, App
28	25	33.8	9	14	US-10-040-862-9949	Sequence 9949, App
29	25	33.8	9	14	US-10-040-862-10146	Sequence 10146, A
30	25	33.8	9	15	US-10-057-475B-9629	Sequence 9629, App
31	25	33.8	9	15	US-10-057-475B-9870	Sequence 9870, App
32	25	33.8	9	15	US-10-057-475B-9932	Sequence 9932, App
33	25	33.8	9	15	US-10-057-475B-9949	Sequence 9949, App
34	25	33.8	9	15	US-10-057-475B-10146	Sequence 10146, A
35	25	33.8	9	15	US-10-154-884B-9629	Sequence 9629, App
36	25	33.8	9	15	US-10-154-884B-9870	Sequence 9870, App
37	25	33.8	9	15	US-10-154-884B-9932	Sequence 9932, App
38	25	33.8	9	15	US-10-154-884B-9949	Sequence 9949, App
39	25	33.8	9	15	US-10-154-884B-10146	Sequence 10146, A
40	25	33.8	9	15	US-10-408-166-318	Sequence 318, App
41	25	33.8	10	14	US-10-200-708-106	Sequence 106, App
42	25	33.8	10	15	US-10-408-166-317	Sequence 317, App
43	25	33.8	11	15	US-10-408-166-316	Sequence 316, App
44	25	33.8	12	13	US-10-046-938-34	Sequence 34, Appl
45	25	33.8	12	15	US-10-408-166-315	Sequence 315, App

ALIGNMENTS

RESULT 1

US-10-354-240-148
; Sequence 148, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daijiki, Kazuo
; APPLICANT: Iwama, Akiyo
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 148
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptosporidia japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cyyj2 peptide, Figure 2, Row 65
US-10-354-240-148

Query Match 100.0%; Score 74; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATAAAIQLKCSDSMP 15

Db 1 ATAAAIQLKCSDSMP 15

RESULT 2
 US-10-354-240-149
 ; Sequence 149, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akimori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 149
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 66
 US-10-354-240-149
 Query Match 71.6%; Score 53; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.015;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 6 IQLKSDSMP 15
 DB 1 IQLKSDSMP 10
 RESULT 3
 US-10-354-240-147
 ; Sequence 147, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akimori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 147
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 64
 US-10-354-240-147
 Query Match 64.9%; Score 48; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.11;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATAAAIQLKC 10
 DB 6 ATAAAIQLKC 15
 RESULT 4
 US-09-949-375A-14
 ; Sequence 14, Application US/09949375A
 ; Patent No. US20020172673A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KLYSNER, Steen et al.
 ; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
 ; FILE REFERENCE: 3631-0111P
 ; CURRENT FILING DATE: 2002-01-18
 ; CURRENT APPLICATION NUMBER: US/09/949,375A
 ; NUMBER OF SEQ ID NOS: 38
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 14
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetic amino acid sequence of SEQ ID NO: 13.
 US-09-949-375A-14
 Query Match 40.5%; Score 30; DB 9; Length 14;
 Best Local Similarity 71.4%; Pred. No. 1.7e+02;
 Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 9 KCSDSMP 15
 DB 4 KCADSMP 10
 RESULT 5
 US-09-572-404B-623
 ; Sequence 623, Application US/09572404B
 ; Publication No. US20030078374A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Proteom Ltd
 ; TITLE OF INVENTION: Complementary peptide ligands from the human genome
 ; FILE REFERENCE: Human patent
 ; CURRENT APPLICATION NUMBER: US/09/572,404B
 ; CURRENT FILING DATE: 2000-05-17
 ; NUMBER OF SEQ ID NOS: 4203
 ; SOFTWARE: Protpatent version 1.0
 ; SEQ ID NO 623
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Homo Sapiens
 ; FEATURE:
 ; OTHER INFORMATION: sequence located in APOB at 1653-1662 and may interact with Sequ
 US-09-572-404B-623
 Query Match 37.8%; Score 28; DB 10; Length 10;
 Best Local Similarity 50.0%; Pred. No. 2.7e+02;
 Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 QY 1 ATAAAIQLKC 10
 DB 1 STSATTNLKC 10
 RESULT 6
 US-09-905-931-10
 ; Sequence 10, Application US/09905831
 ; Patent No. US20020119572A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jacobson, Joseph
 ; APPLICANT: Schwartz, John
 ; APPLICANT: Hamad, Kimberly

```
; APPLICANT: Zhang, Shuguang
; TITLE OF INVENTION: Direct, Externally Imposed Control of Polypeptides
; FILE REFERENCE: MJB-086
; CURRENT APPLICATION NUMBER: US/09/905,831
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/276,313
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: US 60/218,312
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 10
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CEAK15 peptide
US-09-905-831-10

Query Match          37.8%; Score 28; DB 9; Length 15;
Best Local Similarity 60.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATAAAIQLKC 10
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Db 6 AAAAAKKKC 15

RESULT 7
US-09-796-294-33
; Sequence 33, Application US/09796294
; Patent No. US20020037581A1
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Extracellular Serine Protease
; FILE REFERENCE: D6020CIP3
; CURRENT APPLICATION NUMBER: US/09/796,294
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/618,259
; PRIOR FILING DATE: 2000-07-18
; NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 33
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 183-191 of the TADG-14 protein
US-09-796-294-33

Query Match          36.5%; Score 27; DB 9; Length 9;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 9 KCSDSMP 15
   |||: |
Db 1 KCEDAVP 7

RESULT 8
US-10-461-787-33
; Sequence 33, Application US/10461787
; Publication No. US20030199010A1
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: No. US20030199010A1e1 Extracellular Serine Protease
; FILE REFERENCE: D6020CIP2
; CURRENT APPLICATION NUMBER: US/10/461,787
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US/09/618,259
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: US 09/127,444
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; PRIOR FILING DATE: 1998-08-21
; NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 33
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 183-191 of the TADG-14 protein
US-10-461-787-33

Query Match          36.5%; Score 27; DB 14; Length 9;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 9 KCSDSMP 15
   |||: |
Db 1 KCEDAVP 7

RESULT 9
US-10-462-452-505
; Sequence 505, Application US/10462452
; Publication No. US20040037809A1
; GENERAL INFORMATION:
; APPLICANT: Quay, Steven
; APPLICANT: El Shafy, Mohammed Abd
; APPLICANT: Gupta, Malini
; APPLICANT: de Meireles, Jorge
; TITLE OF INVENTION: Compositions and Methods for Enhanced
; TITLE OF INVENTION: Mucosal-Delivery of Interferon Beta
; FILE REFERENCE: 02-02US
; CURRENT APPLICATION NUMBER: US/10/462,452
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/393,066
; PRIOR FILING DATE: 2002-06-28
; NUMBER OF SEQ ID NOS: 790
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 505
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION:
US-10-462-452-505

Query Match          35.1%; Score 26; DB 12; Length 10;
Best Local Similarity 42.9%; Pred. No. 6.2e+02;
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 IQLKSD 12
   :||: |
Db 4 VELRCOD 10

RESULT 10
US-10-043-487-506
; Sequence 506, Application US/10043487
; Publication No. US20030055220A1
; GENERAL INFORMATION:
; APPLICANT: HYBRIGENICS
; APPLICANT: Pierre, LEGRAIN
; TITLE OF INVENTION: Protein-protein interactions between Shigella Flexneri polypeptides
; TITLE OF INVENTION: mammalian polypeptides
; FILE REFERENCE: B4778A
; CURRENT APPLICATION NUMBER: US/10/043,487
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/261,130
; PRIOR FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 561
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 506
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Shigella Flexneri
; OTHER INFORMATION:
US-10-043-487-506
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Query Match 35.1%; Score 26; DB 14; Length 10;
 Best Local Similarity 80.0%; Pred. No. 6.2e+02;
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 IQLKC 10
 DB 2 VOLKC 6

RESULT 11
 US-10-601-953-634
 ; Sequence 634, Application US/10601953
 ; Publication No. US20040077540A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Quay, Steven C.
 ; TITLE OF INVENTION: Compositions And Methods For Modulating Physiology Of Epithelial
 ; TITLE OF INVENTION: Junctional Adhesion Molecules For Enhanced Mucosal Delivery Of
 ; TITLE OF INVENTION: Therapeutic Compounds
 ; FILE REFERENCE: 02-03US
 ; CURRENT APPLICATION NUMBER: US/10/601.953
 ; PRIOR FILING DATE: 2003-06-24
 ; PRIOR APPLICATION NUMBER: 60/392,512
 ; PRIOR FILING DATE: 2002-06-28
 ; NUMBER OF SEQ ID NOS: 900
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 634
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetic construct
 US-10-601-953-634

Query Match 35.1%; Score 26; DB 16; Length 10;
 Best Local Similarity 42.9%; Pred. No. 6.2e+02;
 Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 IQLKCS 12
 DB 4 VELRCQ 10

RESULT 12
 US-10-325-694-22
 ; Sequence 22, Application US/10325694
 ; Publication No. US20030148463A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KUFER, PETER
 ; APPLICANT: RAUM, TOBIAS
 ; TITLE OF INVENTION: NOVEL METHOD FOR THE PRODUCTION OF ANTI-HUMAN ANTIGEN
 ; TITLE OF INVENTION: RECEPTORS AND USES THEREOF
 ; FILE REFERENCE: 38164000
 ; CURRENT APPLICATION NUMBER: US/10/325,694
 ; CURRENT FILING DATE: 2002-12-19
 ; PRIOR APPLICATION NUMBER: US/09/403,107
 ; PRIOR FILING DATE: 1999-10-14
 ; NUMBER OF SEQ ID NOS: 152
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 22
 ; LENGTH: 13
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
 US-10-325-694-22

Query Match 35.1%; Score 26; DB 14; Length 13;
 Best Local Similarity 60.0%; Pred. No. 8.1e+02;
 Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATAAAIQLKC 10
 |||||

DB 2 ATFAAAQEEC 11

RESULT 13
 US-10-052-788-2
 ; Sequence 2, Application US/10052788
 ; Publication No. US20030087314A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gerishwin, Laurel J.
 ; APPLICANT: Pettigrew, Howard David
 ; APPLICANT: Kalina, Warren V.
 ; APPLICANT: The Regents of the University of California
 ; TITLE OF INVENTION: Epsilon Immunoglobulin Chain Derived Peptides for
 ; TITLE OF INVENTION: Induction of Anti-IGE Antibodies
 ; FILE REFERENCE: 023070-121000US
 ; CURRENT APPLICATION NUMBER: US/10/052,788
 ; CURRENT FILING DATE: 2001-11-08
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: epsilon peptide
 ; OTHER INFORMATION: P2, end portion of C2 of equine IGE epsilon heavy
 ; OTHER INFORMATION: chain
 US-10-052-788-2

Query Match 35.1%; Score 26; DB 14; Length 15;
 Best Local Similarity 57.1%; Pred. No. 9.4e+02;
 Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 9 KCSDSMP 15
 |||||
 DB 6 KCTESEP 12

RESULT 14
 US-10-354-240-150
 ; Sequence 150, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 150
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 67
 US-10-354-240-150

Query Match 35.1%; Score 26; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 9.4e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 SDSMP 15

Db 1 SDSMP 5

RESULT 15
US-09-843-676-77
; Sequence 77, Application US/09843676
; Patent No. US20020164786A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; ; Lingner, Joachim
; ; Nakamura, Toru
; ; Chapman, Karen B.
; ; Morin, Gregg B.
; ; Harley, Calvin
; ; Andrews, William H.
; TITLE OF INVENTION: No. US20020164786A1el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; Zip: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/843,676
; FILING DATE: 26-APR-2001
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; STRANDEDNESS: <unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 77:
US-09-843-676-77

Query Match 33.8%; Score 25; DB 9; Length 7;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 10 CSDSMP 15
Db 1 CVDSP 6

Search completed: April 29, 2004, 10:34:11
Job time : 31.85 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-18

Perfect score: 79

Sequence: 1 ASKNFHLQKNTIGT 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

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Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	29	36.7	7	3	US-09-026-904-1
2	27	34.2	8	3	US-09-026-904-9
3	27	34.2	11	1	US-07-620-669-10
4	27	34.2	11	1	US-07-803-624-10
5	27	34.2	11	1	US-07-998-361-10
6	27	34.2	15	5	PCT-US93-11703-35
7	27	34.2	15	5	PCT-US93-11703-36
8	27	34.2	15	5	PCT-US93-11703-37
9	26	32.9	6	4	US-10-132-920B-47
10	26	32.9	7	1	US-07-956-848A-33
11	26	32.9	7	1	US-08-471-956-33
12	26	32.9	11	1	US-08-218-025A-127
13	26	32.9	12	1	US-08-454-097-51
14	26	32.9	12	2	US-08-666-473-114
15	26	32.9	12	3	US-08-185-359-51
16	26	32.9	12	3	US-08-747-599A-21
17	26	32.9	15	5	PCT-US93-11703-34
18	26	32.9	15	6	5227466-3
19	25	31.6	8	1	US-08-279-906A-13
20	25	31.6	8	4	US-09-575-847-17
21	25	31.6	9	4	US-09-575-847-9
22	25	31.6	10	1	US-08-306-116A-38
23	25	31.6	10	1	US-08-306-116A-40
24	25	31.6	10	4	US-09-187-859-3199
25	25	31.6	10	4	US-09-187-859-3289
26	25	31.6	10	4	US-09-187-859-3424
27	25	31.6	10	4	US-09-187-859-3508

28	25	31.6	10	4	US-09-839-542B-3199
29	25	31.6	10	4	US-09-839-542B-3289
30	25	31.6	10	4	US-09-839-542B-3424
31	25	31.6	10	4	US-09-839-542B-3508
32	25	31.6	10	4	US-09-535-852-543
33	25	31.6	10	4	US-09-535-852-633
34	25	31.6	10	4	US-09-535-852-768
35	25	31.6	10	4	US-09-535-852-852
36	25	31.6	11	4	US-09-187-859-3200
37	25	31.6	11	4	US-09-187-859-3290
38	25	31.6	11	4	US-09-187-859-3425
39	25	31.6	11	4	US-09-187-859-3509
40	25	31.6	11	4	US-09-839-542B-3200
41	25	31.6	11	4	US-09-839-542B-3290
42	25	31.6	11	4	US-09-839-542B-3425
43	25	31.6	11	4	US-09-839-542B-3509
44	25	31.6	11	4	US-09-535-852-544
45	25	31.6	11	4	US-09-535-852-634

ALIGNMENTS

RESULT 1

US-09-026-904-1
; Sequence 1, Application US/09026904
; Patent No. 6245502
; GENERAL INFORMATION:
; APPLICANT: EMI, B.
; TITLE OF INVENTION: TARGET SYSTEM
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/026,904
; FILING DATE: Concurrently herewith
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Gerald J. Flintoft
; REGISTRATION NUMBER: 20,823
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-026-904-1

Query Match 36.7%; Score 29; DB 3; Length 7;
Best Local Similarity 71.4%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 KNEHLQK 9

DB 1 KKEHLRK 7

RESULT 2

US-09-026-904-9
; Sequence 9, Application US/09026904
; Patent No. 6245502
; GENERAL INFORMATION:
; APPLICANT: Emi, B.
; TITLE OF INVENTION: TARGET SYSTEM
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/026,904
; FILING DATE: Concurrently herewith
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Gerald J. Flintoft
; REGISTRATION NUMBER: 20,823
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-026-904-9

Query Match 34.2%; Score 27; DB 3; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 KNFHLOK 9
DB 1 KKFHIRK 7

RESULT 3
US-07-620-669-10
; Sequence 10, Application US/07620669
; Patent No. 5177188
; GENERAL INFORMATION:
; APPLICANT: Ginsberg, Mark H
; APPLICANT: McMillan, Robert
; APPLICANT: Plov, Edward F
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Scripps Research Institute, Office of
; ADDRESSEE: Patent Counsel
; STREET: 3366 No. 5177188th Torrey Pines Ct., Suite 240
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

US-09-026-904-9
; APPLICATION NUMBER: US/07/620,669
; FILING DATE: 19901203
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: SCR0354P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
US-07-620-669-10

Query Match 34.2%; Score 27; DB 1; Length 11;
Best Local Similarity 71.4%; Pred. No. 1.3e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 SKNPHLO 8
DB 5 SKNFSIQ 11

RESULT 4
US-07-803-624-10
; Sequence 10, Application US/07803624
; Patent No. 5391744
; GENERAL INFORMATION:
; APPLICANT: McMillan, Robert
; APPLICANT: Ginsberg, Mark H
; APPLICANT: Plov, Edward F
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Office of Patent Counsel, The Scripps
; ADDRESSEE: Research Institute
; STREET: 10666 No. 5391704th Torrey Pines Road, TPC 8
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/803,624
; FILING DATE: 19911127
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,669
; FILING DATE: 03-DEC-1900
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: SCR0597P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:

;
; LENGTH: 11 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
US-07-803-624-10

Query Match 34.2%; Score 27; DB 1; Length 11;
Best Local Similarity 71.4%; Pred. No. 1.3e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 SKNFHLQ 8
Db 5 SKNFSLQ 11

RESULT 5
US-07-998-361-10
; Sequence 10, Application US/07998361
; Patent No. 5399481
; GENERAL INFORMATION:
; APPLICANT: McMillan, Robert
; APPLICANT: Ginsberg, Mark H
; APPLICANT: Flow, Edward F
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Office of Patent Counsel, The Scripps
; ADDRESSEE: Research Institute
; STREET: 10666 No. 5399481th Torrey Pines Road, TPC 8
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/998,361
FILING DATE: 19921229
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/803,624
FILING DATE: 27-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/520,669
FILING DATE: 03-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Fitting, Thomas
REGISTRATION NUMBER: 34,163
REFERENCE/DOCKET NUMBER: SCRL212P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-554-2937
TELEFAX: 619-554-6312
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-07-998-361-10

Query Match 34.2%; Score 27; DB 1; Length 11;
Best Local Similarity 71.4%; Pred. No. 1.3e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 SKNFHLQ 8
Db 5 SKNFSLQ 11

RESULT 6
PCT-US93-11703-35
; Sequence 35, Application PC/TUS9311703
; GENERAL INFORMATION:
; APPLICANT: Chiron Mimotopes Pty. Ltd.
; TITLE OF INVENTION: T-Cell Epitopes
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Grant D. Green
; STREET: 4560 Horton St.
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11703
FILING DATE: 28-DEC-1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/984,852
FILING DATE: 02-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Green, Grant D.
REGISTRATION NUMBER: 31,259
REFERENCE/DOCKET NUMBER: 0222.101
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2706
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
PCT-US93-11703-35

Query Match 34.2%; Score 27; DB 5; Length 15;
Best Local Similarity 36.4%; Pred. No. 1.8e+02;
Matches 4; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 2 SKNFHLQNTI 12
Db 5 TENFNWKNM 15

RESULT 7
PCT-US93-11703-36
; Sequence 36, Application PC/TUS9311703
; GENERAL INFORMATION:
; APPLICANT: Chiron Mimotopes Pty. Ltd.
; TITLE OF INVENTION: T-Cell Epitopes
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Grant D. Green
; STREET: 4560 Horton St.
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11703
; FILING DATE: 28-DEC-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/984,852
; FILING DATE: 02-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Green, Grant D.
; REGISTRATION NUMBER: 31,259
; REFERENCE/DOCKET NUMBER: 0222.101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-601-2706
; TELEFAX: 510-655-3542
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US93-11703-36

Query Match 34.2%; Score 27; DB 5; Length 15;
Best Local Similarity 36.4%; Pred. No. 1.8e+02;
Matches 4; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 2 SKNFHLQKNTI 12
DB 3 TENFNWKNKM 13

RESULT 8
PCT-US93-11703-37
; Sequence 37, Application PC/TUS9311703
; GENERAL INFORMATION:
; APPLICANT: Chiron Mimotopes Pty. Ltd.
; TITLE OF INVENTION: T-Cell Epitopes
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Grant D. Green
; STREET: 4560 Horton St.
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11703
; FILING DATE: 28-DEC-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/984,852
; FILING DATE: 02-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Green, Grant D.
; REGISTRATION NUMBER: 31,259
; REFERENCE/DOCKET NUMBER: 0222.101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-601-2706
; TELEFAX: 510-655-3542
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US93-11703-37

Query Match 32.9%; Score 26; DB 4; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 NTIGT 14
DB 2 NTIGT 6

RESULT 10
US-07-956-848A-33
; Sequence 33, Application US/07956848A
; Patent No. 5447914
; GENERAL INFORMATION:
; APPLICANT: Travis, James
; APPLICANT: Shafer, William M.
; APPLICANT: Bangalore, Neeshesh
; APPLICANT: Poh, Jan
; TITLE OF INVENTION: Antimicrobial Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Greenlee and Winner, P.C.
; STREET: 5370 Manhattan Circle, Suite 201
; CITY: Boulder
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/956,848A
; FILING DATE: 02-OCT-1992
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferber, Donna M.
; REGISTRATION NUMBER: 33,878
; REFERENCE/DOCKET NUMBER: 3-90B

```

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (303) 499-8080
 TELEFAX: (303) 499-8089
 TELEX: 49617824
 INFORMATION FOR SEQ ID NO: 33:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 7 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-07-956-848A-33

Query Match 32.9%; Score 26; DB 1; Length 7;
 Best Local Similarity 83.3%; Pred. No. 3e+05;
 Matches 5; Conservative 0; Mismatches 1; Indels 0;

QY 6 HLQKNT 11
 | | | | |
 Db 1 HPQKNT 6

RESULT 11
 US-08-471-956-33
 ; Sequence 33, Application US/08471956
 ; Patent No. 5798336
 ; GENERAL INFORMATION:
 ; APPLICANT: Travis, James
 ; APPLICANT: Shafer, William M.
 ; APPLICANT: Bangalore, Neellesh
 ; APPLICANT: Pohl, Jan
 ; TITLE OF INVENTION: Antimicrobial Peptides
 ; NUMBER OF SEQUENCES: 59
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Greenlee and Winner, P.C.
 ; STREET: 5370 Manhattan Circle, Suite 201
 ; CITY: Boulder
 ; STATE: Colorado
 ; COUNTRY: USA
 ; ZIP: 80303

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/471,956
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/956,848
 FILING DATE: 02-OCT-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/541,635
 FILING DATE: 21-JUN-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Terber, Donna M.
 REGISTRATION NUMBER: 33,878
 REFERENCE/DOCKET NUMBER: 3-90D
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (303) 499-8080
 TELEFAX: (303) 499-8089
 TELEX: 49617824
 INFORMATION FOR SEQ ID NO: 33:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 7 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-471-956-33

Query Match 32.9%; Score 26; DB 1; Length 7;

Best Local Similarity 83.3%; Pred. No. 3e+05;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 6 HLQKNT 11
 | | | | |
 Db 1 HPQKNT 6
 RESULT 12
 US-08-218-025A-127
 ; Sequence 127, Application US/08218025A
 ; Patent No. 5556744
 ; GENERAL INFORMATION:
 ; APPLICANT: Weiner, David B.
 ; APPLICANT: Ugen, Kenneth E.
 ; APPLICANT: Williams, William V.
 ; TITLE OF INVENTION: Methods and Compositions for Diagnosing
 ; TITLE OF INVENTION: and Treating Certain HIV Infected Patients
 ; NUMBER OF SEQUENCES: 197
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Howson and Howson
 ; STREET: P.O. Box 457, 321 No. 5556744ristown Road
 ; CITY: Spring House
 ; STATE: Pennsylvania
 ; COUNTRY: U.S.A.
 ; ZIP: 19477

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/218,025A
 FILING DATE: 24-MAR-1994
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/891,451
 FILING DATE: 29-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Bak, Mary E.
 REGISTRATION NUMBER: 31,215
 REFERENCE/DOCKET NUMBER: WST33A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 540-9206
 TELEFAX: (215) 540-5818
 INFORMATION FOR SEQ ID NO: 127:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 11 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: peptide
 US-08-218-025A-127

Query Match 32.9%; Score 26; DB 1; Length 11;
 Best Local Similarity 44.4%; Pred. No. 1.9e+02;
 Matches 4; Conservative 1; Indels 0; Gaps 0;

QY 2 SKNFHLQKN 10
 : : | : : |
 Db 3 TENFAMWKN 11

RESULT 13
 US-08-454-097-51
 ; Sequence 51, Application US/08454097
 ; Patent No. 5686412
 ; GENERAL INFORMATION:
 ; APPLICANT: Hoekstra, Merl F.
 ; TITLE OF INVENTION: Protein Kinases
 ; NUMBER OF SEQUENCES: 57
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 233 South Wacker Drive, 6300 Sears Tower

CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/454,097
FILING DATE: 30-MAY-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185,359
FILING DATE: 21-JAN-1994
APPLICATION NUMBER: US 08/008,001
FILING DATE: 21-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/728,783
FILING DATE: 03-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: No. 5686412and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 27866/31853
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
TELEFAX: 312-474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-454-097-51

Query Match 32.9%; Score 26; DB 1; Length 12;
Best Local Similarity 66.7%; Pred. NO. 2.1e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 7 LQKNTGTG 15
| | | | |
Db 2 LGHNTGTG 10

RESULT 14
US-08-666-473-114
Sequence 114, Application US/08666473
Patent No. 5843713
GENERAL INFORMATION:
APPLICANT: YOSHIDA, Aruto
APPLICANT: TAKEUCHI, Makoto
TITLE OF INVENTION: PEPTIDE SEQUENCE THAT FORMS MUCIN SUGAR
TITLE OF INVENTION: CHAIN AND TECHNIQUE FOR MODIFYING PROTEIN TO BE LINKED
TITLE OF INVENTION: WITH MUCIN SUGAR CHAIN
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/666,473
FILING DATE: 19-SEP-1996

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/JP95/02238
FILING DATE: 01-NOV-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-22101
FILING DATE: 09-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-269111
FILING DATE: 01-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 16887/837
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 114:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-666-473-114

Query Match 32.9%; Score 26; DB 2; Length 12;
Best Local Similarity 40.0%; Pred. NO. 2.1e+02;
Matches 4; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 6 HLQKNTGTG 15
| | | | |
Db 2 HMAQVTGPG 11

RESULT 15
US-08-185-359-51
Sequence 51, Application US/08185359
Patent No. 6060296
GENERAL INFORMATION:
APPLICANT: Hoekstra, Merl F.
TITLE OF INVENTION: Protein Kinases
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 233 South Wacker Drive, 6300 Sears Tower
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,359
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/008,001
FILING DATE: 21-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/728,783
FILING DATE: 03-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: No. 6060296and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 27866/31853
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
TELEFAX: 312-474-0448
TELEX: 25-3856

; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-185-359-51

Query Match 32.9%; Score 26; DB 3; Length 12;
Best Local Similarity 66.7%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 7 LQKNTIGTG 15
| | | | |
Db 2 LGHNRGTG 10

Search completed: April 29, 2004, 09:27:34
Job time : 12.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-19

Perfect score: 76
Sequence: 1 SRAEVSYPVHNGAKF 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	76	100.0	15	14	US-10-354-240-131
2	54	71.1	15	14	US-10-354-240-132
3	49	64.5	15	14	US-10-354-240-130
4	29	38.2	14	15	US-10-436-715-403
5	28	36.8	8	14	US-10-185-815-96
6	27	35.5	9	14	US-10-150-797-22
7	27	35.5	9	15	US-10-117-937-107
8	27	35.5	9	15	US-10-117-937-109
9	27	35.5	10	14	US-10-128-711-92
10	27	35.5	10	14	US-10-128-711-151
11	27	35.5	10	15	US-10-366-709-1
12	27	35.5	10	15	US-10-117-937-108
13	27	35.5	10	15	US-10-117-937-110
14	27	35.5	11	15	US-10-378-173-98
15	27	35.5	13	14	US-10-300-694A-21

16	27	35.5	15	9	US-09-894-998-63	Sequence 63, Appl
17	27	35.5	15	14	US-10-121-988-63	Sequence 63, Appl
18	27	35.5	15	14	US-10-121-988-137	Sequence 137, App
19	27	35.5	15	14	US-10-121-988-139	Sequence 139, App
20	27	35.5	15	14	US-10-200-562-63	Sequence 63, Appl
21	27	35.5	15	14	US-10-200-562-137	Sequence 137, App
22	27	35.5	15	14	US-10-200-562-139	Sequence 139, App
23	27	35.5	15	14	US-10-237-551-63	Sequence 63, Appl
24	27	35.5	15	14	US-10-237-551-137	Sequence 137, App
25	27	35.5	15	14	US-10-237-551-139	Sequence 139, App
26	27	35.5	15	14	US-10-354-240-133	Sequence 133, App
27	27	35.5	15	14	US-10-210-428-16	Sequence 16, Appl
28	27	35.5	15	14	US-10-210-428-24	Sequence 24, Appl
29	26	34.2	9	9	US-09-771-192-35	Sequence 35, Appl
30	26	34.2	9	9	US-09-834-765-55	Sequence 55, Appl
31	26	34.2	9	9	US-09-900-936-35	Sequence 35, Appl
32	26	34.2	9	10	US-09-772-819-35	Sequence 35, Appl
33	26	34.2	9	12	US-10-174-443-35	Sequence 35, Appl
34	26	34.2	9	14	US-10-341-001-35	Sequence 35, Appl
35	26	34.2	10	9	US-09-834-765-78	Sequence 78, Appl
36	26	34.2	13	10	US-09-848-107-13	Sequence 13, Appl
37	26	34.2	14	12	US-10-601-837-110	Sequence 110, App
38	26	34.2	15	9	US-09-217-268B-29	Sequence 29, Appl
39	25	32.9	6	12	US-10-414-524-35	Sequence 35, Appl
40	25	32.9	6	12	US-10-414-524-49	Sequence 49, Appl
41	25	32.9	6	12	US-10-414-524-52	Sequence 52, Appl
42	25	32.9	6	12	US-10-414-524-57	Sequence 57, Appl
43	25	32.9	10	9	US-09-976-787-4	Sequence 4, Appl
44	25	32.9	10	9	US-09-865-198-4	Sequence 4, Appl
45	25	32.9	10	10	US-09-563-222-41	Sequence 41, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-131
; Sequence 131, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 131
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cysj2 peptide, Figure 2, Row 48
US-10-354-240-131

Query Match 100.0%; Score 76; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.6e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SRAEVSYPVHNGAKF 15

Db 1 SRAEVSYPVHNGAKF 15

RESULT 2
US-10-354-240-132
; Sequence 132, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Daijiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 132
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 49
US-10-354-240-132
Query Match 71.1%; Score 54; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.004;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 6 SYVHVNGAKF 15
| | | | | | | | | | | | | | |
Db 1 SYVHVNGAKF 10
RESULT 3
US-10-354-240-130
; Sequence 130, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Daijiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 130
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 47
US-10-354-240-130
Query Match 64.5%; Score 49; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SRAEVSVVHV 10
| | | | | | | | | | | | | | |
Db 6 SRAEVSVVHV 15
RESULT 4
US-10-436-715-403
; Sequence 403, Application US/10436715
; Publication No. US20040018976A1
; GENERAL INFORMATION:
; APPLICANT: Briscot-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
; FILE REFERENCE: D0262 NP
; CURRENT APPLICATION NUMBER: US/10/436,715
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: U.S. 60/380,336
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 471
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 403
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-436-715-403
Query Match 38.2%; Score 29; DB 15; Length 14;
Best Local Similarity 62.5%; Pred. No. 1.6e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 6 SYVHVNGA 13
| | | | | | | | | | | | | | |
Db 1 SHVHNGS 8
RESULT 5
US-10-185-815-96
; Sequence 96, Application US/10185815
; Publication No. US20030096354A1
; GENERAL INFORMATION:
; APPLICANT: Eian Corporation, plc
; APPLICANT: O'Mahony, Daniel
; APPLICANT: Lambkin, Imelda
; APPLICANT: Higgins, Lisa
; TITLE OF INVENTION: Peyer's Patch And/Or M-Cell Targeting Ligands
; FILE REFERENCE: E1067-20093
; CURRENT APPLICATION NUMBER: US/10/185,815
; CURRENT FILING DATE: 2002-10-09
; PRIOR APPLICATION NUMBER: 60/302,591
; PRIOR FILING DATE: 2001-07-02
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Segment of rat insulin-like growth factor I receptor
US-10-185-815-96
Query Match 36.8%; Score 28; DB 14; Length 8;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 7 YVHVNG 12
| | | | | | | | | | | | | | |
Db 2 YAHMNG 7
RESULT 6
US-10-150-797-22
; Sequence 22, Application US/10150797

; Publication No. US20030148973A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Entage, Peter
 ; APPLICANT: Karunakaran, Liza
 ; APPLICANT: Pedyczak, Artur
 ; APPLICANT: Barber, Brian H.
 ; TITLE OF INVENTION: WAGE-AL Peptides for Treating or Preventing Cancer
 ; FILE REFERENCE: 001-022
 ; CURRENT APPLICATION NUMBER: US/10/150,797
 ; CURRENT FILING DATE: 2002-05-17
 ; PRIOR APPLICATION NUMBER: 60/292,590
 ; PRIOR FILING DATE: 2001-05-23
 ; NUMBER OF SEQ ID NOS: 31
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 22
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-150-797-22

Query Match 35.5%; Score 27; DB 14; Length 9;
 Best Local Similarity 75.0%; Pred. No. 1e+06;
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10
 |||||
 Db 2 AETSYVKV 9

RESULT 7

; US-10-117-937-107
 ; Sequence 107, Application US/10117937
 ; Publication No. US20030220239A1
 ; GENERAL INFORMATION:
 ; APPLICANT: CTL IMMUNO THERAPIES CORP.
 ; APPLICANT: SIMARD, John, J.L.
 ; APPLICANT: DIAMOND, David, C.
 ; APPLICANT: LIU, Liping
 ; APPLICANT: XIE, Zhidong
 ; TITLE OF INVENTION: EPITOPE SEQUENCES
 ; FILE REFERENCE: CTLIMM.027A
 ; CURRENT APPLICATION NUMBER: US/10/117,937
 ; CURRENT FILING DATE: 2002-04-04
 ; PRIOR APPLICATION NUMBER: US 60/282,211
 ; PRIOR FILING DATE: 2001-04-06
 ; PRIOR APPLICATION NUMBER: US 60/337,017
 ; PRIOR FILING DATE: 2001-11-07
 ; PRIOR APPLICATION NUMBER: US 60/363,210
 ; PRIOR FILING DATE: 2002-03-07
 ; NUMBER OF SEQ ID NOS: 602
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 107
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-117-937-107

Query Match 35.5%; Score 27; DB 15; Length 9;
 Best Local Similarity 75.0%; Pred. No. 1e+06;
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10
 |||||
 Db 2 AETSYVKV 9

RESULT 8

; US-10-117-937-109
 ; Sequence 109, Application US/10117937
 ; Publication No. US20030220239A1
 ; GENERAL INFORMATION:
 ; APPLICANT: CTL IMMUNO THERAPIES CORP.
 ; APPLICANT: SIMARD, John, J.L.

; APPLICANT: DIAMOND, David, C.
 ; APPLICANT: LIU, Liping
 ; APPLICANT: XIE, Zhidong
 ; TITLE OF INVENTION: EPITOPE SEQUENCES
 ; FILE REFERENCE: CTLIMM.027A
 ; CURRENT APPLICATION NUMBER: US/10/117,937
 ; CURRENT FILING DATE: 2002-04-04
 ; PRIOR APPLICATION NUMBER: US 60/282,211
 ; PRIOR FILING DATE: 2001-04-06
 ; PRIOR APPLICATION NUMBER: US 60/337,017
 ; PRIOR FILING DATE: 2001-11-07
 ; PRIOR APPLICATION NUMBER: US 60/363,210
 ; PRIOR FILING DATE: 2002-03-07
 ; NUMBER OF SEQ ID NOS: 602
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 109
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-117-937-109

Query Match 35.5%; Score 27; DB 15; Length 9;
 Best Local Similarity 75.0%; Pred. No. 1e+06;
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10
 |||||
 Db 1 AETSYVKV 8

RESULT 9
 ; US-10-128-711-92
 ; Sequence 92, Application US/10128711
 ; Publication No. US20030099634A1
 ; GENERAL INFORMATION:
 ; APPLICANT: VITIELLO, Maria A.
 ; APPLICANT: CHESTNUT, Robert W.
 ; APPLICANT: SETTE, Alessandro D.
 ; APPLICANT: CELIS, Esteban
 ; APPLICANT: GRAY, Howard
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR ELICITING
 ; CTIL IMMUNITY
 ; NUMBER OF SEQUENCES: 153
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend Khourie and Crew
 ; STREET: Steuart Street Tower, One Market Plaza
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: US
 ; ZIP: 94105-1493
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/128,711
 ; FILING DATE: 22-Apr-2002
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/197,484
 ; FILING DATE: 16-FEB-1994
 ; APPLICATION NUMBER: US 07/935,811
 ; FILING DATE: 26-AUG-1992
 ; APPLICATION NUMBER: US 07/874,491
 ; FILING DATE: 27-APR-1992
 ; APPLICATION NUMBER: US 07/827,682
 ; FILING DATE: 29-JAN-1992
 ; APPLICATION NUMBER: US 07/749,568
 ; FILING DATE: 28-AUG-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Parmelee, Steven W.
 ; REGISTRATION NUMBER: 31,990

REFERENCE/DOCKET NUMBER: 14137-26-4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 467-9600
TELEFAX: (206) 623-6793
INFORMATION FOR SEQ ID NO: 92:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 92:
US-10-128-711-92

Query Match 35.5%; Score 27; DB 14; Length 10;
Best Local Similarity 75.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10
Db 3 AETSIVKV 10

RESULT 10
US-10-128-711-151
; Sequence 151, Application US/10128711
; Publication No. US2003009634A1
; GENERAL INFORMATION:
; APPLICANT: VITIELLO, Maria A.
; CHESTNUT, Robert W.
; SETTE, Alessandro D.
; CELIS, Esteban
; GRAY, Howard
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR ELICITING CTL IMMUNITY
; NUMBER OF SEQUENCES: 153
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: Stuart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/128,711
; FILING DATE: 22-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,484
; FILING DATE: 16-FEB-1994
; APPLICATION NUMBER: US 07/935,811
; FILING DATE: 26-AUG-1992
; APPLICATION NUMBER: US 07/874,491
; FILING DATE: 27-APR-1992
; APPLICATION NUMBER: US 07/827,682
; FILING DATE: 29-JAN-1992
; APPLICATION NUMBER: US 07/749,568
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steven W.
; REGISTRATION NUMBER: 31,990
; REFERENCE/DOCKET NUMBER: 14137-26-4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 467-9600
; TELEFAX: (206) 623-6793
; INFORMATION FOR SEQ ID NO: 151:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids

TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 151:
US-10-128-711-151

Query Match 35.5%; Score 27; DB 14; Length 10;
Best Local Similarity 75.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10
Db 3 AETSIVKV 10

RESULT 11
US-10-366-709-1
; Sequence 1, Application US/10366709
; Publication No. US20030219433A1
; GENERAL INFORMATION:
; APPLICANT: HANSEN, HANS
; APPLICANT: QU, ZHENGXING
; APPLICANT: GOLDENBERG, DAVID M.
; TITLE OF INVENTION: ANTI-CD20 ANTIBODIES AND FUSION PROTEINS THEREOF AND METHODS OF USE
; FILE REFERENCE: 18733/115
; CURRENT APPLICATION NUMBER: US/10/366,709
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: 60/356,132
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: 60/416,232
; PRIOR FILING DATE: 2002-10-07
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: Patentn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-366-709-1

Query Match 35.5%; Score 27; DB 15; Length 10;
Best Local Similarity 57.1%; Pred. No. 2.5e+02;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 AEVSIVHV 9
Db 4 SSVSVIH 10

RESULT 12
US-10-117-937-108
; Sequence 108, Application US/10117937
; Publication No. US20030220239A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTIMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07

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; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 108
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-117-937-108

Query Match      35.5%; Score 27; DB 15; Length 10;
Best Local Similarity 75.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSYYHV 10
Db 3 AETSYYKV 10

RESULT 13
US-10-117-937-110
; Sequence 110, Application US/10117937
; Publication No. US20030220239A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTILMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 110
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-117-937-110

Query Match      35.5%; Score 27; DB 15; Length 10;
Best Local Similarity 75.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSYYHV 10
Db 2 AETSYYKV 9

RESULT 14
US-10-378-173-98
; Sequence 98, Application US/10378173
; Publication No. US20030232014A1
; GENERAL INFORMATION:
; APPLICANT: Burke et al.
; TITLE OF INVENTION: PHOSPHORYLATED PROTEINS AND USES RELATED THERETO
; FILE REFERENCE: MDSP-P01-023
; CURRENT APPLICATION NUMBER: US/10/378,173
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 60/360787
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 98
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: phosphorylated peptide
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: phosphorylation
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: phosphorylation
US-10-378-173-98

Query Match      35.5%; Score 27; DB 15; Length 11;
Best Local Similarity 55.6%; Pred. No. 2.8e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 6 SYVHVNGAK 14
Db 3 SYITVDGIK 11

RESULT 15
US-10-300-694A-21
; Sequence 21, Application US/10300694A
; Publication No. US20030185870A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Grinstaff, Mark W.
; APPLICANT: Kenan, Daniel J.
; APPLICANT: Walsh, Elisabeth B.
; APPLICANT: Middleton, Crystan
; TITLE OF INVENTION: INTERFACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT APPLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-05-07
; PRIOR APPLICATION NUMBER: US 60/331,843
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Polystyrene-binding peptide 21
US-10-300-694A-21

Query Match      35.5%; Score 27; DB 14; Length 13;
Best Local Similarity 62.5%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 5 VSYVHVNG 12
Db 5 VSYAHPEG 12

Search completed: April 29, 2004, 10:34:10
Job time : 30.85 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-17

Perfect score: 79

Sequence: 1 GIDIFASKNHLQKN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*
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3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	DB ID	Description
1	29	36.7	7	3	US-09-026-904-1
2	27	34.2	8	3	US-09-026-904-9
3	27	34.2	11	1	US-07-620-669-10
4	27	34.2	11	1	US-07-803-624-10
5	27	34.2	11	1	US-07-998-361-10
6	26	32.9	11	1	US-08-218-025A-127
7	26	32.9	15	1	US-08-095-332-25
8	26	32.9	15	2	US-07-760-530-25
9	26	32.9	15	5	PCT-US93-11703-34
10	26	32.9	15	5	PCT-US93-11703-35
11	26	32.9	15	5	PCT-US93-11703-36
12	26	32.9	15	5	PCT-US93-11703-37
13	25	31.6	8	4	US-03-575-847-17
14	25	31.6	9	4	US-03-575-847-9
15	25	31.6	13	5	PCT-US95-04121-4
16	25	31.6	15	1	US-08-460-874A-29
17	25	31.6	15	2	US-08-388-883B-29
18	25	31.6	15	3	US-08-462-211A-29
19	24	30.4	5	4	US-03-499-203-27
20	24	30.4	8	3	US-03-026-904-5
21	24	30.4	10	3	US-03-026-904-1
22	24	30.4	12	1	US-07-976-358-5
23	24	30.4	12	3	US-09-026-904-4
24	24	30.4	13	2	US-08-870-864-2
25	24	30.4	15	5	PCT-US93-11703-38
26	23	29.1	10	2	US-08-428-257A-34
27	23	29.1	12	2	US-08-454-434C-16

Sequence 16, Appl
Sequence 4, Appl
Sequence 17, Appl
Sequence 4, Appl
Sequence 7, Appl
Sequence 4, Appl
Sequence 1, Appl
Sequence 20, Appl
Sequence 6, Appl
Sequence 3, Appl
Sequence 9, Appl
Sequence 17, Appl
Sequence 5, Appl
Sequence 5, Appl
Sequence 11, Appl
Sequence 12, Appl
Sequence 63, Appl

4 US-09-384-361-16
1 US-08-185-448-4
1 US-08-503-062-17
1 US-08-406-192-4
1 US-08-752-047-7
1 US-08-545-151-4
1 US-08-870-864-1
1 US-08-543-927-1
1 US-09-133-062D-20
1 US-08-485-393-6
1 PCT-US95-11405-3
1 PCT-US95-11405-9
1 PCT-US96-11495-17
1 US-08-896-605A-5
1 US-09-000-041A-5
1 US-08-811-583-11
1 US-08-647-960-12
1 US-09-073-009-63

ALIGNMENTS

RESULT 1
US-09-026-904-1
; Sequence 1, Application US/09026904
; Patent No. 6245502
; GENERAL INFORMATION:
; APPLICANT: Emi, B.
; TITLE OF INVENTION: TARGET SYSTEM
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/026,904
; FILING DATE: Concurrently herewith
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Gerald J. Flintoft
; REGISTRATION NUMBER: 20,823
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-026-904-1

Query Match 36.7%; Score 29; DB 3; Length 7;
Best Local Similarity 71.4%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 8 KNFHLQK 14
Db 1 KKFLRK 7

RESULT 2

US-09-026-904-9
; Sequence 9, Application US/09026904
; Patent No. 6245502
; GENERAL INFORMATION:
; APPLICANT: Emi, B.
; TITLE OF INVENTION: TARGET SYSTEM
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/026,904
; FILING DATE: Concurrently herewith
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Gerald J. Flintoft
; REGISTRATION NUMBER: 20,823
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-969-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-026-904-9

Query Match 34.2%; Score 27; DB 3; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 KNFHLQK 14
| | | | |
Db 1 KKFHKK 7

RESULT 3
US-07-620-669-10
; Sequence 10, Application US/07620669
; Patent No. 5177188
; GENERAL INFORMATION:
; APPLICANT: Ginsberg, Mark H
; APPLICANT: McMillan, Robert
; APPLICANT: Plow, Edward F
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Scripps Research Institute, Office of
; ADDRESSEE: Patent Counsel
; STREET: 3366 No. 5177188th Torrey Pines Ct., Suite 240
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/620,669
; FILING DATE: 19901203
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: SCR0354P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
US-07-620-669-10

Query Match 34.2%; Score 27; DB 1; Length 11;
Best Local Similarity 71.4%; Pred. No. 80;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 SKNFHLQ 13
| | | | |
Db 5 SKNFSLQ 11

RESULT 4
US-07-803-624-10
; Sequence 10, Application US/07803624
; Patent No. 5391704
; GENERAL INFORMATION:
; APPLICANT: McMillan, Robert
; APPLICANT: Ginsberg, Mark H
; APPLICANT: Plow, Edward F
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Office of Patent Counsel, The Scripps
; ADDRESSEE: Research Institute
; STREET: 10666 No. 5391704th Torrey Pines Road, TPC 8
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/803,624
; FILING DATE: 19911127
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,669
; FILING DATE: 03-DEC-1900
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: SCR0597P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:

LENGTH: 11 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-07-803-624-10

Query Match 34.2%; Score 27; DB 1; Length 11;
Best Local Similarity 71.4%; Pred. No. 80;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 SKNFHLQ 13
Db 5 SKNFSIQ 11

RESULT 5

US-07-998-361-10
; Sequence 10, Application US/07998361
; Patent No. 5399481
; GENERAL INFORMATION:
; APPLICANT: McMillan, Robert
; APPLICANT: Ginsberg, Mark H
; APPLICANT: Plow, Edward F
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Office of Patent Counsel, The Scripps
; ADDRESSEE: Research Institute
; STREET: 10666 No. 5399481th Torrey Pines Road, TPC 8
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/998,361
; FILING DATE: 19921229
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/803,624
; FILING DATE: 27-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,669
; FILING DATE: 03-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: SCR1212P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
US-07-998-361-10

Query Match 34.2%; Score 27; DB 1; Length 11;
Best Local Similarity 71.4%; Pred. No. 80;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 SKNFHLQ 13
Db 5 SKNFSIQ 11

RESULT 6

US-08-218-025A-127
; Sequence 127, Application US/08218025A
; Patent No. 5556744
; GENERAL INFORMATION:
; APPLICANT: Weiner, David B.
; APPLICANT: Ugen, Kenneth E.
; APPLICANT: Williams, William V.
; TITLE OF INVENTION: Methods and Compositions for Diagnosing
; TITLE OF INVENTION: and Treating Certain HIV Infected Patients
; NUMBER OF SEQUENCES: 197
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: P.O. Box 457, 321 No. 5556744ristown Road
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/218,025A
; FILING DATE: 24-MAR-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/891,451
; FILING DATE: 29-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: WST33A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 540-9206
; TELEFAX: (215) 540-5818
; INFORMATION FOR SEQ ID NO: 127:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-218-025A-127

Query Match 32.9%; Score 26; DB 1; Length 11;
Best Local Similarity 44.4%; Pred. No. 1.2e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 7 SKNFHLQXN 15
Db 3 TENFNWKN 11

RESULT 7

US-08-095-332-25
; Sequence 25, Application US/08095332
; Patent No. 5711947
; GENERAL INFORMATION:
; APPLICANT: Berzofsky, Jay A.
; APPLICANT: Takahashi, Hidemi
; APPLICANT: Germain, Ronald N.
; TITLE OF INVENTION: METHOD TO INDUCE CYTOTOXIC T LYMPHOCYTES
; TITLE OF INVENTION: SPECIFIC FOR A BROAD ARRAY OF HIV-1 ISOLATES USING HYBRID
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Birch, Stewart, Kolash & Birch
STREET: 301 N. Washington
CITY: Falls Church
STATE: Virginia
COUNTRY: USA
ZIP: 22046-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/095,332
FILING DATE: 23-JUL-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/760,530
FILING DATE: 18-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svensson, Leonard R.
REGISTRATION NUMBER: 30,330
REFERENCE/DOCKET NUMBER: 1173-354p
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-241-1300
TELEFAX: 703-241-2848
TELEX: 248345
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: HIV-1
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..15
OTHER INFORMATION: /label= peptide
OTHER INFORMATION: /note= "peptide 18MN(Y-H); synthetic, chimeric
OTHER INFORMATION: peptide; sequence = region of HIV-1 strain MN
OTHER INFORMATION: gp160 envelope glycoprotein that is homologous to
OTHER INFORMATION: residues 315-329 of strain IIIB, except that 325(Y) is
OTHER INFORMATION: substituted by (H)."
US-08-095-332-25
Query Match 32.9%; Score 26; DB 1; Length 15;
Best Local Similarity 42.9%; Pred. No. 1.8e+02;
Matches 6; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
QY 2 IDIFASKNFHLQKN 15
DB 2 IHIGGRAFHHTKN 15
RESULT 8
US-07-760-530-25
Sequence 25, Application US/07760530
Patent No. 5820855
GENERAL INFORMATION:
APPLICANT: Berzofsky, Jay A.
APPLICANT: Takahashi, Hidemi
APPLICANT: Germain, Ronald N.
TITLE OF INVENTION: METHOD TO INDUCE CYTOTOXIC T LYMPHOCYTES
TITLE OF INVENTION: SPECIFIC FOR A BROAD ARRAY OF HIV-1 ISOLATES USING HYBRID
TITLE OF INVENTION: SYNTHETIC PEPTIDES
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Birch, Stewart, Kolash & Birch
STREET: 301 N. Washington
CITY: Falls Church
STATE: Virginia
COUNTRY: USA

ZIP: 22046-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/760,530
FILING DATE: 19910918
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Svensson, Leonard R.
REGISTRATION NUMBER: 30,330
REFERENCE/DOCKET NUMBER: 1173-354p
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-241-1300
TELEFAX: 703-241-2848
TELEX: 248345
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: HIV-1
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..15
OTHER INFORMATION: /label= peptide
OTHER INFORMATION: peptide; sequence = region of HIV-1 strain MN
OTHER INFORMATION: gp160 envelope glycoprotein that is homologous to
US-07-760-530-25
Query Match 32.9%; Score 26; DB 2; Length 15;
Best Local Similarity 42.9%; Pred. No. 1.8e+02;
Matches 6; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
QY 2 IDIFASKNFHLQKN 15
DB 2 IHIGGRAFHHTKN 15
RESULT 9
PCT-US93-11703-34
Sequence 34, Application PC/TUS9311703
GENERAL INFORMATION:
APPLICANT: Chiron Mimotopes Pty. Ltd.
TITLE OF INVENTION: T-Cell Epitopes
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSEE: Grant D. Green
STREET: 4560 Horton St.
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11703
FILING DATE: 28-DEC-1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/984,852
FILING DATE: 02-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Green, Grant D.

REGISTRATION NUMBER: 31,259
REFERENCE/DOCKET NUMBER: 0222.101
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2706
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
PCT-US93-11703-34

Query Match 32.9%; Score 26; DB 5; Length 15;
Best Local Similarity 44.4%; Pred. No. 1.8e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0;

QY 7 SKNFHLQKN 15
:|:|:|
Db 7 TENFNWKN 15

RESULT 10
PCT-US93-11703-35
; Sequence 35, Application PC/TUS9311703
; GENERAL INFORMATION:
; APPLICANT: Chiron Mimotopes Pty. Ltd.
; TITLE OF INVENTION: T-Cell Epitopes
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Grant D. Green
; STREET: 4560 Horton St.
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11703
; FILING DATE: 28-DEC-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/984,852
; FILING DATE: 02-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Green, Grant D.
; REGISTRATION NUMBER: 31,259
; REFERENCE/DOCKET NUMBER: 0222.101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-601-2706
; TELEFAX: 510-655-3542
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US93-11703-35

Query Match 32.9%; Score 26; DB 5; Length 15;
Best Local Similarity 44.4%; Pred. No. 1.8e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0;

QY 7 SKNFHLQKN 15
:|:|:|
Db 5 TENFNWKN 13

RESULT 11
PCT-US93-11703-36
; Sequence 36, Application PC/TUS9311703
; GENERAL INFORMATION:
; APPLICANT: Chiron Mimotopes Pty. Ltd.
; TITLE OF INVENTION: T-Cell Epitopes
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Grant D. Green
; STREET: 4560 Horton St.
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11703
; FILING DATE: 28-DEC-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/984,852
; FILING DATE: 02-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Green, Grant D.
; REGISTRATION NUMBER: 31,259
; REFERENCE/DOCKET NUMBER: 0222.101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-601-2706
; TELEFAX: 510-655-3542
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US93-11703-36

Query Match 32.9%; Score 26; DB 5; Length 15;
Best Local Similarity 44.4%; Pred. No. 1.8e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0;

QY 7 SKNFHLQKN 15
:|:|:|
Db 3 TENFNWKN 11

RESULT 12
PCT-US93-11703-37
; Sequence 37, Application PC/TUS9311703
; GENERAL INFORMATION:
; APPLICANT: Chiron Mimotopes Pty. Ltd.
; TITLE OF INVENTION: T-Cell Epitopes
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Grant D. Green
; STREET: 4560 Horton St.
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11703

; FILING DATE: 28-DEC-1993
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/984,852
 ; FILING DATE: 02-DEC-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Green, Grant D.
 ; REGISTRATION NUMBER: 31,259
 ; REFERENCE/DOCKET NUMBER: 0222.101
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 510-601-2706
 ; TELEFAX: 510-655-3542
 ; INFORMATION FOR SEQ ID NO: 37:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 15 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; PCT-US93-11703-37

Query Match 32.9%; Score 26; DB 5; Length 15;
 Best Local Similarity 44.4%; Pred. No. 1.8e+02;
 Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 7 SKNFHLOKN 15
 :|||: ||
 Db 1 TENFNWKN 9

RESULT 13
 US-09-575-847-17
 ; Sequence 17, Application US/09575847
 ; Patent No. 6593135
 ; GENERAL INFORMATION:
 ; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 ; APPLICANT: WACHTER, Rebekka
 ; TITLE OF INVENTION: LONG WAVELENGTH ENGINEERED FLUORESCENT PROTEINS
 ; FILE REFERENCE: REGEN1250-5
 ; CURRENT APPLICATION NUMBER: US/09/575,847
 ; CURRENT FILING DATE: 2000-05-19
 ; PRIOR APPLICATION NUMBER: US 08/974,737
 ; PRIOR FILING DATE: 1997-11-19
 ; PRIOR APPLICATION NUMBER: US 08/911,825
 ; PRIOR FILING DATE: 1997-08-15
 ; PRIOR APPLICATION NUMBER: US 08/706,408
 ; PRIOR FILING DATE: 1996-08-30
 ; NUMBER OF SEQ ID NOS: 20
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 17
 ; LENGTH: 8
 ; TYPE: PRT
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Mutant Green Fluorescent Protein
 ; US-09-575-847-17

Query Match 31.6%; Score 25; DB 4; Length 8;
 Best Local Similarity 80.0%; Pred. No. 3e+05;
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 10 FHLQK 14
 :|||: ||
 Db 1 FHLQK 5

RESULT 14
 US-09-575-847-9
 ; Sequence 9, Application US/09575847
 ; Patent No. 6593135
 ; GENERAL INFORMATION:
 ; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

; APPLICANT: WACHTER, Rebekka
 ; APPLICANT: REMINGTON, James
 ; TITLE OF INVENTION: LONG WAVELENGTH ENGINEERED FLUORESCENT PROTEINS
 ; FILE REFERENCE: REGEN1250-5
 ; CURRENT APPLICATION NUMBER: US/09/575,847
 ; CURRENT FILING DATE: 2000-05-19
 ; PRIOR APPLICATION NUMBER: US 08/974,737
 ; PRIOR FILING DATE: 1997-11-19
 ; PRIOR APPLICATION NUMBER: US 08/911,825
 ; PRIOR FILING DATE: 1997-08-15
 ; PRIOR APPLICATION NUMBER: US 08/706,408
 ; PRIOR FILING DATE: 1996-08-30
 ; NUMBER OF SEQ ID NOS: 20
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 9
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Mutant Green Fluorescent Protein
 ; US-09-575-847-9

Query Match 31.6%; Score 25; DB 4; Length 9;
 Best Local Similarity 80.0%; Pred. No. 3e+05;
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 10 FHLQK 14
 :|||: ||
 Db 2 FHLQK 6

RESULT 15
 PCT-US95-04121-4
 ; Sequence 4, Application PC/TUS9504121
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; TITLE OF INVENTION: Haptenated Peptides and Uses Thereof
 ; NUMBER OF SEQUENCES: 62
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/04121
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/222,206
 ; FILING DATE: April 1, 1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Vanstone, Darlene A.
 ; REGISTRATION NUMBER: 35,279
 ; REFERENCE/DOCKET NUMBER: 079.2PCT
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 466-6000
 ; TELEFAX: (617) 466-6010
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 13 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal
 ; PCT-US95-04121-4

Query Match 31.6%; Score 25; DB 5; Length 13;
 Best Local Similarity 71.4%; Pred. No. 2.3e+02;
 Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 DIFASKN 9
 :|||: ||

Db 2 DIAKN 8

Search completed: April 29, 2004, 09:27:33
Job time : 11.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-18

Perfect score: 79

Sequence: 1 ASKNFHLOKNTIGTG 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	100.0	15	14	US-10-354-240-121
2	54	68.4	15	14	US-10-354-240-122
3	53	67.1	15	14	US-10-354-240-120
4	33	41.8	15	14	US-10-345-071-8
5	30	38.0	8	9	US-09-984-056-58
6	30	38.0	8	9	US-09-984-056-59
7	30	38.0	8	9	US-09-984-057-58
8	30	38.0	8	9	US-09-984-057-59
9	30	38.0	8	14	US-10-105-232-58
10	30	38.0	8	14	US-10-105-232-59
11	30	38.0	8	14	US-10-189-437-58
12	30	38.0	8	14	US-10-189-437-59
13	29	36.7	10	10	US-09-935-384-676
14	29	36.7	15	15	US-10-024-652-2552
15	28	35.4	13	16	US-10-467-209-9

16	27	34.2	7	14	US-10-105-232-411	Sequence 411, App
17	27	34.2	7	14	US-10-189-437-398	Sequence 398, App
18	27	34.2	12	14	US-10-322-142-5	Sequence 5, Appl1
19	27	34.2	14	10	US-09-993-180-40	Sequence 40, Appl1
20	27	34.2	15	9	US-09-895-828-463	Sequence 463, App
21	27	34.2	15	14	US-10-114-666-463	Sequence 463, App
22	26	32.9	6	12	US-10-438-181A-47	Sequence 47, Appl1
23	26	32.9	9	14	US-10-211-207-22	Sequence 22, Appl1
24	26	32.9	9	14	US-10-077-106-22	Sequence 22, Appl1
25	26	32.9	9	15	US-10-428-335-141	Sequence 141, App
26	26	32.9	10	14	US-10-200-708-111	Sequence 111, App
27	26	32.9	14	9	US-09-966-955A-43	Sequence 43, Appl1
28	26	32.9	14	14	US-10-120-604-117	Sequence 117, App
29	26	32.9	15	14	US-10-047-264A-14	Sequence 14, Appl1
30	26	32.9	15	14	US-10-354-240-123	Sequence 123, App
31	25	31.6	8	10	US-03-575-847-17	Sequence 17, Appl1
32	25	31.6	8	15	US-10-620-099-17	Sequence 17, Appl1
33	25	31.6	9	10	US-09-575-847-9	Sequence 9, Appl1
34	25	31.6	9	12	US-10-363-208-116	Sequence 116, App
35	25	31.6	9	12	US-10-253-286-689	Sequence 689, App
36	25	31.6	9	15	US-10-024-652-140	Sequence 140, App
37	25	31.6	9	15	US-10-024-652-233	Sequence 233, App
38	25	31.6	9	15	US-10-024-652-843	Sequence 643, App
39	25	31.6	9	15	US-10-024-652-966	Sequence 966, App
40	25	31.6	9	15	US-10-024-652-1263	Sequence 1263, App
41	25	31.6	9	15	US-10-024-652-1281	Sequence 1281, App
42	25	31.6	9	15	US-10-024-652-2023	Sequence 2023, App
43	25	31.6	9	15	US-10-245-871-689	Sequence 689, App
44	25	31.6	9	15	US-10-620-099-9	Sequence 9, Appl1
45	25	31.6	10	14	US-10-006-869-3199	Sequence 3199, App

ALIGNMENTS

RESULT 1
US-10-354-240-121
; Sequence 121, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 121
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 38
US-10-354-240-121

Query Match 100.0%; Score 79; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 7e-07;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASKNFHLOKNTIGTG 15

DB 1 ASKNFHLOKNTIGTG 15

```

RESULT 2
US-10-354-240-122
; Sequence 122, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-25
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 122
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 39
US-10-354-240-122

Query Match 68.4%; Score 54; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 HLQKNTIGTG 15
DB 1 HLQKNTIGTG 10

RESULT 3
US-10-354-240-120
; Sequence 120, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-25
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 120
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 37
US-10-354-240-120

Query Match 67.1%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-09-308-027a-18.closed.rapb
; Sequence 8, Application US/10345071
; Publication No. US20030162254A1
; GENERAL INFORMATION:
; APPLICANT: Peerce, Brian E.
; TITLE OF INVENTION: NAPI TYPE IIB POLYPEPTIDES AND METHODS FOR
; FILE REFERENCE: 026.00621 (PEER-BE-02B)
; CURRENT APPLICATION NUMBER: US/10/345,071
; CURRENT FILING DATE: 2003-01-15
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 8
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Rabbit
US-10-345-071-8

Query Match 41.8%; Score 33; DB 14; Length 15;
Best Local Similarity 54.5%; Pred. No. 70;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 4 NEHLQKNTIGT 14
DB 2 NEHLPLDLAGT 12

RESULT 4
US-09-984-056-58
; Sequence 58, Application US/09984056
; Patent No. US20020120106A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: ANTHRAX AND SMALL POX REPLICONS AND METHODS OF USE
; FILE REFERENCE: 09425-46903
; CURRENT APPLICATION NUMBER: US/09/984,056
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: Patent in 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-09-984-056-58

Query Match 38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 16+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 KNFHLQK 9
DB 1 KNHLEK 7

RESULT 5
US-09-984-056-59
; Sequence 59, Application US/09984056
; Patent No. US20020120106A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: ANTHRAX AND SMALL POX REPLICONS AND METHODS OF USE
; FILE REFERENCE: 09425-46903
; CURRENT APPLICATION NUMBER: US/09/984,056
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: Patent in 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-09-984-056-59

Query Match 38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 16+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

RESULT 6
US-09-984-056-59
```

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; Sequence 59, Application US/09984056
; Patent No. US20020120106A1
; GENERAL INFORMATION: SAMUEL
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: ANTHRAX AND SMALL POX REPLICINS AND METHODS OF USE
; FILE REFERENCE: 09425-46903
; CURRENT APPLICATION NUMBER: US/09/984,056
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: Patentin 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-056-59
```

```
Query Match 38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 3 KNFHLOK 9
DB 1 KNIHLEK 7
```

```
RESULT 7
US-09-984-057-58
; Sequence 58, Application US/09984057
; Patent No. US20020151677A1
; GENERAL INFORMATION: SAMUEL
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: REPLICINS AND METHODS OF IDENTIFYING
; TITLE OF INVENTION: REPLICIN-CONTAINING SEQUENCES
; FILE REFERENCE: 09425-46902
; CURRENT APPLICATION NUMBER: US/09/984,057
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: Patentin 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-09-984-057-58
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```
Query Match 38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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```
QY 3 KNFHLOK 9
DB 1 KNIHLEK 7
```

```
RESULT 8
US-09-984-057-59
; Sequence 59, Application US/09984057
; Patent No. US20020151677A1
; GENERAL INFORMATION: SAMUEL
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: REPLICINS AND METHODS OF IDENTIFYING
; TITLE OF INVENTION: REPLICIN-CONTAINING SEQUENCES
; FILE REFERENCE: 09425-46902
; CURRENT APPLICATION NUMBER: US/09/984,057
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: Patentin 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-057-59
```

```
Query Match 38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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```
QY 3 KNFHLOK 9
DB 1 KNIHLEK 7
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```
RESULT 9
US-10-105-232-58
; Sequence 58, Application US/10105232
; Publication No. US20030180328A1
; GENERAL INFORMATION: SAMUEL
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: REPLICIN PEPTIDES IN RAPID REPLICATION OF GLIOMA CELLS
; TITLE OF INVENTION: AND IN INFLUENZA EPIDEMICS
; FILE REFERENCE: 09425-46904
; CURRENT APPLICATION NUMBER: US/10/105,232
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: Patentin 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-10-105-232-58
```

```
Query Match 38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;
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Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 3 KNFHLOK 9
|||:
Db 1 KNHLEK 7

RESULT 10
US-10-105-232-59
; Sequence 59, Application US/10105232
; Publication No. US20030180328A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLIKIN PEPTIDES IN RAPID REPLICATION OF GLIOMA CELLS
; FILE REFERENCE: 09425-46904
; CURRENT APPLICATION NUMBER: US/10/105,232
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-105-232-59

Query Match 38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. le+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 KNFHLOK 9
|||:
Db 1 KNHLEK 7

RESULT 11
US-10-189-437-58
; Sequence 58, Application US/10189437
; Publication No. US20030194414A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLIKIN PEPTIDES AND ANTIBODIES THEREFORE
; FILE REFERENCE: 09425/46905
; CURRENT APPLICATION NUMBER: US/10/189,437
; CURRENT FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 10/105,232
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 09/984,057
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 729
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-10-189-437-58

Query Match 38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. le+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 3 KNFHLOK 9
|||:
Db 1 KNHLEK 7

RESULT 12
US-10-189-437-59
; Sequence 59, Application US/10189437
; Publication No. US20030194414A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLIKIN PEPTIDES AND ANTIBODIES THEREFORE
; FILE REFERENCE: 09425/46905
; CURRENT APPLICATION NUMBER: US/10/189,437
; CURRENT FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 10/105,232
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 09/984,057
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 729
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-189-437-59

Query Match 38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. le+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 KNFHLOK 9
|||:
Db 1 KNHLEK 7

RESULT 13
US-09-935-384-676
; Sequence 676, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAIFANO, ARTHUR
; APPLICANT: APAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AVA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P.LH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 676
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-676

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Query Match      36.7%; Score 29; DB 10; Length 10;
Best Local Similarity 44.4%; Pred. No. 2.3e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 2 SKNFHLQKN 10
   ||:::
Db 2 SKKYHIQOS 10

RESULT 14
US-10-024-652-2552
; Sequence 2552, Application US/10024652
; Publication No. US20030219738A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Paris, Mary
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Mitchell, Steve Chappell
; APPLICANT: Levin, Elana
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc
; TITLE OF INVENTION: Transporter Protein Entitled 108PSH8 Useful in Treatment and
; FILE OF INVENTION: Detection of Cancer
; FILE REFERENCE: 51158-20025.00
; CURRENT APPLICATION NUMBER: US/10/024,652
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/256,210
; PRIOR FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 2598
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2552
; LENGTH: 15
; TYPE: PRT
; ORGANISM: homo sapien
US-10-024-652-2552

Query Match      36.7%; Score 29; DB 15; Length 15;
Best Local Similarity 58.3%; Pred. No. 3.5e+02;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 SKNFHLQKNITIG 13
   |||||
Db 1 SKANHLLENTFG 12

RESULT 15
US-10-467-209-9
; Sequence 9, Application US/10467209
; Publication No. US20040076991A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; TITLE OF INVENTION: MODIFIED INTERLEUKIN-1 RECEPTOR
; FILE REFERENCE: MER-110
; CURRENT APPLICATION NUMBER: US/10/467,209
; CURRENT FILING DATE: 2003-08-05
; PRIOR APPLICATION NUMBER: 01102573.1
; PRIOR FILING DATE: 2001-02-06
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: PCT/EP02/01170
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
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; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope of human leptin
US-10-467-209-9

Query Match      35.4%; Score 28; DB 16; Length 13;
Best Local Similarity 38.5%; Pred. No. 4.5e+02;
Matches 5; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 3 KNFHLQKNITIGT 15
   ||:::
Db 1 KTFYLENNQLVAG 13

Search completed: April 29, 2004, 10:34:10
Job time : 30.85 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds

(without alignments)

65.349 Million cell updates/sec

Title: US-09-308-027A-16

Perfect score: 85

Sequence: 1 PEPHLVFGNCEGVKI 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

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3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*

4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*

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6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	31	36.5	5	3	US-08-467-580-96
2	31	36.5	5	3	US-08-467-580-104
3	31	36.5	5	5	PCT-US95-08516-104
4	31	36.5	6	3	US-08-467-580-97
5	31	36.5	6	3	US-08-467-580-121
6	31	36.5	6	5	PCT-US95-08516-121
7	29	34.1	12	2	US-08-406-330-64
8	29	34.1	12	2	US-08-556-597-64
9	28	32.9	5	3	US-08-467-580-92
10	28	32.9	5	3	US-08-467-580-94
11	28	32.9	5	3	US-08-467-580-102
12	28	32.9	5	3	US-08-467-580-103
13	28	32.9	5	5	PCT-US95-08516-102
14	28	32.9	5	5	PCT-US95-08516-103
15	28	32.9	6	3	US-08-467-580-93
16	28	32.9	6	3	US-08-467-580-95
17	28	32.9	6	3	US-08-467-580-110
18	28	32.9	6	3	US-08-467-580-120
19	28	32.9	6	5	PCT-US95-08516-110
20	28	32.9	6	5	PCT-US95-08516-120
21	28	32.9	12	2	US-09-066-227-2
22	28	32.9	12	2	US-08-823-143-2
23	28	32.9	14	4	US-09-101-272G-78
24	28	32.9	15	2	US-08-553-257A-16
25	28	32.9	15	4	US-09-441-992-16
26	27.5	32.4	15	2	US-08-658-639-9
27	27.5	32.4	15	3	US-08-944-604-9

28 27 31.8 5 3 US-08-467-580-80 Sequence 80, Appl
29 27 31.8 5 3 US-08-467-580-85 Sequence 85, Appl
30 27 31.8 5 3 US-08-467-580-90 Sequence 90, Appl
31 27 31.8 5 3 US-08-467-580-98 Sequence 98, Appl
32 27 31.8 5 3 US-08-467-580-100 Sequence 100, Appl
33 27 31.8 5 3 US-08-467-580-101 Sequence 101, Appl
34 27 31.8 5 3 US-08-467-580-105 Sequence 105, Appl
35 27 31.8 5 3 US-08-467-580-106 Sequence 106, Appl
36 27 31.8 5 3 US-08-467-580-114 Sequence 114, Appl
37 27 31.8 5 5 PCT-US95-08516-80 Sequence 80, Appl
38 27 31.8 5 5 PCT-US95-08516-85 Sequence 85, Appl
39 27 31.8 5 5 PCT-US95-08516-90 Sequence 90, Appl
40 27 31.8 5 5 PCT-US95-08516-92 Sequence 92, Appl
41 27 31.8 5 5 PCT-US95-08516-94 Sequence 94, Appl
42 27 31.8 5 5 PCT-US95-08516-96 Sequence 96, Appl
43 27 31.8 5 5 PCT-US95-08516-98 Sequence 98, Appl
44 27 31.8 5 5 PCT-US95-08516-100 Sequence 100, Appl
45 27 31.8 5 5 PCT-US95-08516-101 Sequence 101, Appl

ALIGNMENTS

RESULT 1
US-08-467-580-96
; Sequence 96, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Yednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-C1P1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; EARLIER FILING DATE: 1995-06-06
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 96
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)
; OTHER INFORMATION: Position 1 is D form of Val
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)
; OTHER INFORMATION: ACETYLATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide is
; OTHER INFORMATION: derived from VCAM-1
US-08-467-580-96

Query Match 36.5%; Score 31; DB 3; Length 5;
Best Local Similarity 100.0%; Pred.No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFGNC 10

DB 1 VFGNC 5

RESULT 2
US-08-467-580-104
; Sequence 104, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Yednock, Theodore A
; APPLICANT: Pleiss, Michael A

```

; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 104
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: ACETYLATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAM-1
US-08-467-580-104

Query Match          36.5%; Score 31; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
Db      1 VFGNC 5

RESULT 3
PCT-US95-08516-104
; Sequence 104, Application PC/TUS9508516
; GENERAL INFORMATION:
; APPLICANT: ATHENA NEUROSCIENCES, INC.
; TITLE OF INVENTION: INHIBITORS OF LEUKOCYTE ADHESION
; NUMBER OF SEQUENCES: 157
; CORRESPONDENCE ADDRESS:
; ADDRESS: 800 Gateway Blvd.
; CITY: South San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/08516
; FILING DATE: 10-JUL-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/273,055
; FILING DATE: 11-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: MOOI, LESLIE A.
; REGISTRATION NUMBER: 37,047
; REFERENCE/DOCKET NUMBER: 002010-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 877-0900
; TELEFAX: (415) 877-3620
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: circular
PCT-US95-08516-104

Query Match          36.5%; Score 31; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
Db      1 VFGNC 5

RESULT 4
US-08-467-580-97
; Sequence 97, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Yednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 97
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (2)_
; OTHER INFORMATION: Position 2 is D form of Val
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide is
; OTHER INFORMATION: derived from VCAM-1; Cyclic
US-08-467-580-97

Query Match          36.5%; Score 31; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
Db      2 VFGNC 6

RESULT 5
US-08-467-580-121
; Sequence 121, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Yednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 121
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAM-1
US-08-467-580-121

Query Match          36.5%; Score 31; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 6 VFNC 10
|
|
|
|
Db 2 VFNC 6

RESULT 6

PCT-US95-08516-121
; Sequence 121, Application PC/TUS9508516
; GENERAL INFORMATION:
; APPLICANT: ATHENA NEUROSCIENCES, INC.
; TITLE OF INVENTION: INHIBITORS OF LEUKOCYTE ADHESION
; NUMBER OF SEQUENCES: 157
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ATHENA NEUROSCIENCES, INC.
; STREET: 800 Gateway Blvd.
; City: South San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/08516
FILING DATE: 10-JUL-1995
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/273,055
FILING DATE: 11-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: MOOL, LESLIE A.
REGISTRATION NUMBER: 37,047
REFERENCE/DOCKET NUMBER: 002010-008
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 877-0300
TELEFAX: (415) 877-3620
INFORMATION FOR SEQ ID NO: 121:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: circular
PCT-US95-08516-121

Query Match 36.5%; Score 31; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 38-05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 VFNC 10
|
|
|
|
Db 2 VFNC 6

RESULT 7

US-08-406-330-64
; Sequence 64, Application US/08406330
; Patent No. 5817748
; GENERAL INFORMATION:
; APPLICANT: Miller, Jonathan L.
; APPLICANT: Lyle, Vicki A.
; TITLE OF INVENTION: MINOTOPES AND ANTI-MINOTOPES OF
; HUMAN PLATELET GLYCOPROTEIN IB/IX
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle
; STREET: Clinton Square, P.O. Box 1051
; City: Rochester
; STATE: New York
; COUNTRY: USA
; ZIP: 14603

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/406,330
FILING DATE:

CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Timian, Susan J.
REGISTRATION NUMBER: 34,103
REFERENCE/DOCKET NUMBER: 20884/100
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 263-1636
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-406-330-64

Query Match 34.1%; Score 29; DB 2; Length 12;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 6 VFNCCEGV 13
|
|
|
|
Db 4 LFGSCFGI 11

RESULT 8

US-08-556-597-64
; Sequence 64, Application US/08556597
; Patent No. 5877155
; GENERAL INFORMATION:
; APPLICANT: Miller, Jonathan L.
; APPLICANT: Lyle, Vicki A.
; TITLE OF INVENTION: MINOTOPES AND ANTI-MINOTOPES OF
; HUMAN PLATELET GLYCOPROTEIN IB/IX
; NUMBER OF SEQUENCES: 173
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
; STREET: Clinton Square, P.O. Box 1051
; City: Rochester
; STATE: New York
; COUNTRY: USA
; ZIP: 14603

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/556,597
FILING DATE:

CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/406,330
FILING DATE: 17-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Timian, Susan J.
REGISTRATION NUMBER: 34,103
REFERENCE/DOCKET NUMBER: 20884/101
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 263-1636
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids

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; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-556-597-64

Query Match      34.1%; Score 29; DB 2; Length 12;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 VFGNCEGV 13
DB      4 LFGSCFGI 11

RESULT 9
US-08-467-580-92
; Sequence 92, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Vednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 92
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: This is the D form of Met
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: ACETYLTATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAM-1; Cyclic
US-08-467-580-92

Query Match      32.9%; Score 28; DB 3; Length 5;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      1 MFGNC 5

RESULT 10
US-08-467-580-94
; Sequence 94, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Vednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 94
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: Position 1 is D form of Leu
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: ACETYLTATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide is
; OTHER INFORMATION: derived from VCAM-1
US-08-467-580-94

Query Match      32.9%; Score 28; DB 3; Length 5;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      1 LFGNC 5

RESULT 11
US-08-467-580-102
; Sequence 102, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Vednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 102
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: ACETYLTATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAM-1
US-08-467-580-102

Query Match      32.9%; Score 28; DB 3; Length 5;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      1 MFGNC 5

RESULT 12
US-08-467-580-103
; Sequence 103, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Vednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
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FILE REFERENCE: 123-US-CIP1
CURRENT APPLICATION NUMBER: US/08/467,580B
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/273,055
EARLIER FILING DATE: 1994-07-11
NUMBER OF SEQ ID NOS: 163
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 103
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: MOD_RES
LOCATION: (1)
OTHER INFORMATION: ACETYLATION
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
OTHER INFORMATION: Derived from VCAM-1
US-08-467-580-103

Query Match 32.9%; Score 28; DB 3; Length 5;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFQNC 10
:||||
Db 1 LFGNC 5

RESULT 13
PCT-US95-08516-102
Sequence 102, Application PC/TUS9508516
GENERAL INFORMATION:
APPLICANT: ATHENA NEUROSCIENCES, INC.
TITLE OF INVENTION: INHIBITORS OF LEUKOCYTE ADHESION
NUMBER OF SEQUENCES: 157
CORRESPONDENCE ADDRESS:
ADDRESSEE: ATHENA NEUROSCIENCES, INC.
STREET: 800 Gateway Blvd.
CITY: South San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/08516
FILING DATE: 10-JUL-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/273,055
FILING DATE: 11-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: MOOI, LESLIE A.
REGISTRATION NUMBER: 37,047
REFERENCE/DOCKET NUMBER: 002010-008
TELEPHONE: (415) 877-0900
TELEFAX: (415) 877-3620
INFORMATION FOR SEQ ID NO: 102:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: circular
PCT-US95-08516-102

Query Match 32.9%; Score 28; DB 5; Length 5;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFQNC 10
:||||
Db 1 MFGNC 5

RESULT 14
PCT-US95-08516-103
Sequence 103, Application PC/TUS9508516
GENERAL INFORMATION:
APPLICANT: ATHENA NEUROSCIENCES, INC.
TITLE OF INVENTION: INHIBITORS OF LEUKOCYTE ADHESION
NUMBER OF SEQUENCES: 157
CORRESPONDENCE ADDRESS:
ADDRESSEE: ATHENA NEUROSCIENCES, INC.
STREET: 800 Gateway Blvd.
CITY: South San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/08516
FILING DATE: 10-JUL-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/273,055
FILING DATE: 11-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: MOOI, LESLIE A.
REGISTRATION NUMBER: 37,047
REFERENCE/DOCKET NUMBER: 002010-008
TELEPHONE: (415) 877-0900
TELEFAX: (415) 877-3620
INFORMATION FOR SEQ ID NO: 103:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: circular
PCT-US95-08516-103

Query Match 32.9%; Score 28; DB 5; Length 5;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFQNC 10
:||||
Db 1 LFGNC 5

RESULT 15
US-08-467-580-93
Sequence 93, Application US/08467580B
GENERAL INFORMATION:
APPLICANT: Thorsett, Eugene D
APPLICANT: Yednock, Theodore A
APPLICANT: Pleiss, Michael A
TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
FILE REFERENCE: 123-US-CIP1
CURRENT APPLICATION NUMBER: US/08/467,580B
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/273,055
EARLIER FILING DATE: 1994-07-11
NUMBER OF SEQ ID NOS: 163
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 93

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; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (2)
; OTHER INFORMATION: Position 2 is D form of Met
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAM-1; Cyclic
US-08-467-580-93

Query Match      32.9%; Score 38; DB 3; Length 6;
Best Local Similarity 80.0%; Pred. NO. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
       :|||
Db      2 MFGNC 6

Search completed: April 29, 2004, 09:27:33
Job time : 12.85 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-17

Perfect score: 79

Sequence: 1 GIDIFASKNFHLQKN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	79	100.0	15	14	US-10-354-240-120
2	53	67.1	15	14	US-10-354-240-121
3	51	64.6	15	14	US-10-354-240-119
4	31	39.2	15	14	US-10-047-264A-14
5	30	38.0	8	9	US-09-984-056-58
6	30	38.0	8	9	US-09-984-056-59
7	30	38.0	8	9	US-09-984-057-58
8	30	38.0	8	9	US-09-984-057-59
9	30	38.0	8	14	US-10-105-232-58
10	30	38.0	8	14	US-10-105-232-59
11	30	38.0	8	14	US-10-189-437-58
12	30	38.0	8	14	US-10-189-437-59
13	29	36.7	9	15	US-10-428-335-141
14	29	36.7	10	10	US-09-935-384-676
15	29	36.7	13	14	US-10-219-834-132

16	29	36.7	15	14	US-10-084-813-9	Sequence 9, Appl
17	28	35.4	15	14	US-10-354-240-112	Sequence 112, App
18	28	35.4	15	14	US-10-354-240-122	Sequence 122, App
19	27	34.2	7	14	US-10-105-232-411	Sequence 411, App
20	27	34.2	7	14	US-10-189-437-398	Sequence 398, App
21	26	32.9	9	14	US-10-211-207-22	Sequence 22, Appl
22	26	32.9	9	14	US-10-077-106-22	Sequence 22, Appl
23	26	32.9	10	14	US-10-062-109A-446	Sequence 446, App
24	26	32.9	10	14	US-10-062-109A-511	Sequence 511, App
25	26	32.9	10	14	US-10-200-708-111	Sequence 111, App
26	26	32.9	10	14	US-10-005-480A-446	Sequence 446, App
27	26	32.9	10	14	US-10-005-480A-511	Sequence 511, App
28	26	32.9	11	9	US-09-791-378-126	Sequence 126, App
29	26	32.9	11	10	US-09-374-879-319	Sequence 319, App
30	26	32.9	11	10	US-09-791-393-152	Sequence 152, App
31	26	32.9	11	10	US-09-791-389-152	Sequence 152, App
32	26	32.9	11	10	US-09-305-736-319	Sequence 319, App
33	26	32.9	11	11	US-09-818-683-319	Sequence 319, App
34	26	32.9	11	12	US-10-621-401-319	Sequence 319, App
35	26	32.9	13	9	US-09-984-056-65	Sequence 65, Appl
36	26	32.9	13	9	US-09-984-057-65	Sequence 65, Appl
37	26	32.9	13	12	US-09-988-493-222	Sequence 222, App
38	26	32.9	13	14	US-10-105-232-65	Sequence 65, Appl
39	26	32.9	13	14	US-10-189-437-65	Sequence 524, App
40	26	32.9	14	9	US-09-791-378-524	Sequence 43, Appl
41	26	32.9	14	9	US-09-966-955A-43	Sequence 162, App
42	26	32.9	14	10	US-09-791-393-162	Sequence 162, App
43	26	32.9	14	10	US-09-791-389-162	Sequence 162, App
44	26	32.9	14	12	US-09-988-493-226	Sequence 226, App
45	26	32.9	14	12	US-10-014-340-774	Sequence 774, App

ALIGNMENTS

RESULT 1

US-10-354-240-120
; Sequence 120, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Daijiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kindo, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 120
; LENGTH: 15
; TYPE: PPT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1) - (15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 37
US-10-354-240-120

Query Match 100.0%; Score 79; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.3e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GIDIFASKNFHLQKN 15

DB 1 GIDIFASKNFHLQKN 15

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RESULT 2
US-10-354-240-121
; Sequence 121, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 121
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 38
US-10-354-240-121

Query Match 67.1%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ASKNPHLQKN 15
Db 1 ASKNPHLQKN 10

RESULT 3
US-10-354-240-119
; Sequence 119, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 119
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 36
US-10-354-240-119

Query Match 64.6%; Score 51; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.045;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GIDIFASKNF 10
Db 6 GIDIFASKNF 15

RESULT 4
US-10-047-264A-14
; Sequence 14, Application US/10047264A
; Publication No. US20030170839A1
; GENERAL INFORMATION:
; APPLICANT: Fouser, Lynette
; APPLICANT: Liu, Wei
; APPLICANT: Deng, Bijia
; TITLE OF INVENTION: TYPE 2 CYTOKINE RECEPTOR AND NUCLEIC ACIDS ENCODING
; FILE REFERENCE: 22058-532
; CURRENT APPLICATION NUMBER: US/10/047,264A
; CURRENT FILING DATE: 2002-01-14
; PRIOR APPLICATION NUMBER: 60/261442
; PRIOR FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 60/267021
; PRIOR FILING DATE: 2001-02-06
; PRIOR APPLICATION NUMBER: 60/270835
; PRIOR FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 15
; TYPE: PRT
; ORGANISM: human
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (11)
; OTHER INFORMATION: Wherein X is the amino acid H or Q
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (14)
; OTHER INFORMATION: Wherein X is the amino acid A or P
US-10-047-264A-14

Query Match 39.2%; Score 31; DB 14; Length 15;
Best Local Similarity 71.4%; Pred. No. 1.3e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 FASKNFH 11
Db 1 FQSRNFH 7

RESULT 5
US-09-984-056-58
; Sequence 58, Application US/09984056
; Patent No. US20020120106A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: ANTHRAX AND SMALL POX REPLICONS AND METHODS OF USE
; FILE REFERENCE: 09425-46903
; CURRENT APPLICATION NUMBER: US/09/984,056
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: PatentIn 2.1

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; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-09-984-056-58

Query Match      38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      8 KNFHLOK 14
Db      1 KNIHLEK 7

RESULT 6
US-09-984-056-59
; Sequence 59, Application US/09984056
; Patent No. US20020120106A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: ANTHRAX AND SMALL POX REPLICONS AND METHODS OF USE
; FILE REFERENCE: 09425-46903
; CURRENT APPLICATION NUMBER: US/09/984,056
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-056-59

Query Match      38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      8 KNFHLOK 14
Db      1 KNIHLEK 7

RESULT 7
US-09-984-057-58
; Sequence 58, Application US/09984057
; Patent No. US20020151677A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLICONS AND METHODS OF IDENTIFYING
; FILE REFERENCE: 09425-46902
; CURRENT APPLICATION NUMBER: US/09/984,057
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27

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; PRIOR APPLICATION NUMBER: 09/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-09-984-057-58

Query Match      38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      8 KNFHLOK 14
Db      1 KNIHLEK 7

RESULT 8
US-09-984-057-59
; Sequence 59, Application US/09984057
; Patent No. US20020151677A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLICONS AND METHODS OF IDENTIFYING
; FILE REFERENCE: 09425-46902
; CURRENT APPLICATION NUMBER: US/09/984,057
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-057-59

Query Match      38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      8 KNFHLOK 14
Db      1 KNIHLEK 7

RESULT 9
US-105-232-58
; Sequence 58, Application US/10105232
; Publication No. US20030180328A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLICONS AND METHODS OF IDENTIFYING
; FILE REFERENCE: 09425-46904
; CURRENT APPLICATION NUMBER: US/10/105,232
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761

```

STUDY OF THE EFFECTS OF GLIOMA CELLS

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; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-10-105-232-58

Query Match      38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      8 KNFHLQK 14
Db      1 KNHLEK 7

RESULT 10
US-10-105-232-59
; Sequence 59, Application US/10105232
; Publication No. US20030180328A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: REPLIKIN PEPTIDES IN RAPID REPLICATION OF GLIOMA CELLS
; FILE REFERENCE: 09425-46904
; CURRENT APPLICATION NUMBER: US/10/105,232
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-105-232-59

Query Match      38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      8 KNFHLQK 14
Db      1 KNHLEK 7

RESULT 11
US-10-189-437-58
; Sequence 58, Application US/10189437
; Publication No. US20030194414A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: REPLIKIN PEPTIDES AND ANTIBODIES THEREFORE
; FILE REFERENCE: 09425/46905
; CURRENT APPLICATION NUMBER: US/10/189,437
; CURRENT FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 10/105,232
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 09/984,057
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 729
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-189-437-59

Query Match      38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      8 KNFHLQK 14
Db      1 KNHLEK 7

RESULT 12
US-10-189-437-59
; Sequence 59, Application US/10189437
; Publication No. US20030194414A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: REPLIKIN PEPTIDES AND ANTIBODIES THEREFORE
; FILE REFERENCE: 09425/46905
; CURRENT APPLICATION NUMBER: US/10/189,437
; CURRENT FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 10/105,232
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 09/984,057
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 729
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-189-437-59

Query Match      38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      8 KNFHLQK 14
Db      1 KNHLEK 7

RESULT 13
US-10-428-335-141
; Sequence 141, Application US/10428335
; Publication No. US20040009186A1
; GENERAL INFORMATION:
; APPLICANT: BAE, Joo-eun
; APPLICANT: KLINGEMANN, Hans G.
; TITLE OF INVENTION: IMMUNOGENIC PEPTIDES
; FILE REFERENCE: 047940-0128
; CURRENT APPLICATION NUMBER: US/10/428,335
; CURRENT FILING DATE: 2003-05-02

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; PRIOR APPLICATION NUMBER: US 10/135,469
; PRIOR FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 141
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-428-335-141

Query Match 36.7%; Score 29; DB 15; Length 9;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 5 PASKNFH 11
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Db 1 YASLNPH 7

RESULT 14

US-09-935-384-676
; Sequence 676, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-BID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOWITZ, AVA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 676
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-676

Query Match 36.7%; Score 29; DB 10; Length 10;
Best Local Similarity 44.4%; Pred. No. 1.9e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 7 SKNFHLOKN 15
:|:|:|:|:
Db 2 SKYHIQOS 10

RESULT 15

US-10-219-834-132
; Sequence 132, Application US/10219834
; Publication No. US20030096751A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTOR POLYNUCLEOTIDES AND METHODS OF USE THE
; FILE REFERENCE: D0191 NP
; CURRENT APPLICATION NUMBER: US/10/219,834
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 60/313,658
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: US 60/340,703
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: US 60/318,675
; PRIOR FILING DATE: 2001-09-12

; PRIOR APPLICATION NUMBER: US 60/355,596
; PRIOR FILING DATE: 2002-02-06
; PRIOR APPLICATION NUMBER: US 60/333,417
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: US 60/338,367
; PRIOR FILING DATE: 2001-12-06
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 132
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-219-834-132

Query Match 36.7%; Score 29; DB 14; Length 13;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GIDIFASKN 9
:|:|:|:|:
Db 1 GIDIFASKN 9

Search completed: April 29, 2004, 10:34:10
Job time : 30.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-15

Perfect score: 87
Sequence: 1 PASGKNRRIWLQFAK 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	37	42.5	15	1	US-08-460-874A-26
2	37	42.5	15	2	US-08-388-883B-26
3	37	42.5	15	3	US-08-462-211A-26
4	35	40.2	12	1	US-08-190-788A-21
5	35	40.2	12	1	US-08-383-474B-26
6	35	40.2	12	1	US-08-465-391A-21
7	35	40.2	12	2	US-08-464-538B-21
8	35	40.2	12	2	US-08-463-076E-65
9	35	40.2	12	4	US-09-428-082B-651
10	32	36.8	15	1	US-08-111-939-11
11	31	35.6	10	4	US-08-135-319A-8
12	30	34.5	12	1	US-08-190-788A-28
13	30	34.5	12	1	US-08-383-474B-33
14	30	34.5	12	1	US-08-465-391A-28
15	30	34.5	12	2	US-08-464-538B-28
16	30	34.5	12	2	US-08-463-076E-72
17	30	34.5	12	4	US-09-428-082B-658
18	30	34.5	14	1	US-08-627-497-5
19	30	34.5	15	5	PCT-US93-11703-36
20	30	34.5	15	5	PCT-US93-11703-37
21	30	34.5	15	5	PCT-US93-11703-38
22	30	34.5	15	5	PCT-US93-11703-39
23	30	34.5	15	5	PCT-US93-11703-40
24	29.5	33.9	15	1	US-08-218-025A-24
25	29	33.3	6	4	US-08-135-319A-16
26	29	33.3	7	4	US-08-135-319A-13
27	29	33.3	8	4	US-08-135-319A-26

Sequence 25, Appl
Sequence 36, Appl
Sequence 39, Appl
Sequence 6, Appl
Sequence 41, Appl
Sequence 44, Appl
Sequence 36, Appl
Sequence 39, Appl
Sequence 36, Appl
Sequence 39, Appl
Sequence 80, Appl
Sequence 83, Appl
Sequence 1, Appl
Sequence 18, Appl
Sequence 22, Appl
Sequence 23, Appl
Sequence 35, Appl
Sequence 667, App

28 29 33.3 9 4 US-08-135-319A-25
29 29 33.3 10 1 US-08-190-788A-36
30 29 33.3 10 1 US-08-190-788A-39
31 29 33.3 10 1 US-08-077-757A-6
32 29 33.3 10 1 US-08-383-474B-41
33 29 33.3 10 1 US-08-383-474B-44
34 29 33.3 10 1 US-08-465-391A-39
35 29 33.3 10 1 US-08-465-391A-36
36 29 33.3 10 2 US-08-464-538B-36
37 29 33.3 10 2 US-08-464-538B-39
38 29 33.3 10 2 US-08-463-076E-80
39 29 33.3 10 2 US-08-463-076E-83
40 29 33.3 10 4 US-08-135-319A-1
41 29 33.3 10 4 US-08-135-319A-18
42 29 33.3 10 4 US-08-135-319A-22
43 29 33.3 10 4 US-08-135-319A-23
44 29 33.3 10 4 US-09-546-013-35
45 29 33.3 10 4 US-09-428-082B-667

ALIGNMENTS

RESULT 1
US-08-460-874A-26
; Sequence 26, Application US/08460874A
; Patent No. 5744298
; GENERAL INFORMATION:
; APPLICANT: Stuber, Werner
; APPLICANT: Wiczorek, Leszek
; APPLICANT: Ziegelmaier, Robert
; TITLE OF INVENTION: HCMV-Specific Peptides, Agents Thereof
; TITLE OF INVENTION: and the Use Thereof
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESS: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington,
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/460.874A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/936,219
; FILING DATE: 27-AUG-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P4128684.7
; FILING DATE: 29-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Forman, David S
; REGISTRATION NUMBER: 33,694
; REFERENCE/DOCKET NUMBER: 05552-1210-04000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-460-874A-26

Query Match 42.5%; Score 37; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 10;
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 PASWKNRIW 10
|||
Db 4 PANWPRERAW 13

RESULT 2

US-08-388-883B-26
; Sequence 26, Application US/08388883B
; Patent No. 5859185
; GENERAL INFORMATION:
; APPLICANT: STUBER, Werner
; APPLICANT: WIECZOREK, Leszek
; APPLICANT: ZIEGELMAIER, Robert
; TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor
; TITLE OF INVENTION: and the Use Thereof
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington,
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/388,883B
; FILING DATE: 13-FEB-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/936,219
; FILING DATE: 27-AUG-1991
; NAME: Forman, David S.
; REGISTRATION NUMBER: 33,694
; REFERENCE/DOCKET NUMBER: 5552-1210-02000
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-388-883B-26

Query Match 42.5%; Score 37; DB 2; Length 15;
Best Local Similarity 50.0%; Pred. No. 10;
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 PASWKNRIW 10
|||
Db 4 PANWPRERAW 13

RESULT 3

US-08-462-211A-26
; Sequence 26, Application US/08462211A

Patent No. 6143493
; GENERAL INFORMATION:
; APPLICANT: Stuber, Werner
; APPLICANT: WIECZOREK, Leszek
; APPLICANT: ZIEGELMAIER, Robert
; TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor
; TITLE OF INVENTION: and the Use Thereof
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner L.L.P.
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington,
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/462,211A
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/388,883
; FILING DATE: 13-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/300,305
; FILING DATE: 23-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/936,219
; FILING DATE: 27-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P4128684.7
; FILING DATE: 29-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Forman, David S.
; REGISTRATION NUMBER: 33,694
; REFERENCE/DOCKET NUMBER: 5552.1210-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-462-211A-26

Query Match 42.5%; Score 37; DB 3; Length 15;
Best Local Similarity 50.0%; Pred. No. 10;
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 PASWKNRIW 10
|||
Db 4 PANWPRERAW 13

RESULT 4

US-08-190-788A-21
; Sequence 21, Application US/08190788A
; Patent No. 5608035
; GENERAL INFORMATION:
; APPLICANT: Varofsky, Stephen D.
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Baldwin, David N.
; APPLICANT: Jacobs, Jeff W.
; TITLE OF INVENTION: Peptides and Compounds That Bind to the
; TITLE OF INVENTION: IL-1 Receptor
; NUMBER OF SEQUENCES: 312
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Affymax Technologies N.V.
STREET: 4001 Miranda Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/190,788A
FILING DATE: 02-FEB-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/847,567
FILING DATE: 05-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Stevens, Lauren L.
REGISTRATION NUMBER: 36,691
REFERENCE/DOCKET NUMBER: 1019.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-496-2300
TELEFAX: 415-424-0832
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-190-788A-21

Query Match 40.2%; Score 35; DB 1; Length 12;
Best Local Similarity 55.6%; Pred. No. 16;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNRWLQ 12
| | | |
DB 2 WGNQGWLE 10

RESULT 5
US-08-383-474B-26
Sequence 26, Application US/08383474B
Patent No. 5767234
GENERAL INFORMATION:
APPLICANT: Yanofsky, Stephen D.
APPLICANT: Barrett, Ronald W.
APPLICANT: Baldwin, David N.
APPLICANT: Jacobs, Jeff W.
TITLE OF INVENTION: Peptides and Compounds That Bind to
TITLE OF INVENTION: the IL-1 Receptor
NUMBER OF SEQUENCES: 314
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend & Townsend & Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/383,474B
FILING DATE: 01-FEB-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/190,788

FILING DATE: 02-FEB-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Stevens, Lauren L.
REGISTRATION NUMBER: 36,691
REFERENCE/DOCKET NUMBER: 1019.3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-496-2300
TELEFAX: 415-424-0832
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-383-474B-26

Query Match 40.2%; Score 35; DB 1; Length 12;
Best Local Similarity 55.6%; Pred. No. 16;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNRWLQ 12
| | | |
DB 2 WGNQGWLE 10

RESULT 6
US-08-465-391A-21
Sequence 21, Application US/08465391A
Patent No. 5786331
GENERAL INFORMATION:
APPLICANT: Barrett, Ronald W.
APPLICANT: Yanofsky, Stephen D.
APPLICANT: Baldwin, David
APPLICANT: Jacobs, Jeff W.
APPLICANT: Bovy, Philippe R.
APPLICANT: Leahy, Ellen M.
APPLICANT: Pottorff, Richard S.
TITLE OF INVENTION: Peptides and Compounds That Bind to the
TITLE OF INVENTION: IL-1 Receptor
NUMBER OF SEQUENCES: 405
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,391A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/373,474
FILING DATE: 01-FEB-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/190,788
FILING DATE: 02-FEB-1994
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: No. 5786331v1el, Vern
REGISTRATION NUMBER: 32,483
REFERENCE/DOCKET NUMBER: 16528A-001840/1019.2A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-465-391A-21

Query Match 40.2%; Score 35; DB 1; Length 12;
Best Local Similarity 55.6%; Pred. No. 16;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNNRIWLQ 12
DB 2 WNGDGIWLE 10

RESULT 7

US-08-464-538B-21
Sequence 21, Application US/08464538B
Patent No. 5861476

GENERAL INFORMATION:

APPLICANT: Barrett, Ronald W.
APPLICANT: Yanofsky, Stephen D.
APPLICANT: Baldwin, David
APPLICANT: Jacobs, Jeff W.
APPLICANT: Bovy, Philippe R.
APPLICANT: Leahy, Ellen M.
APPLICANT: Poterof, Richard S.
TITLE OF INVENTION: Peptides and Compounds That Bind to the
TITLE OF INVENTION: IL-1 Receptor
NUMBER OF SEQUENCES: 402
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,538B
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/373,474
FILING DATE: 01-FEB-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/190,788
FILING DATE: 02-FEB-1994
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 16528A-001810
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-464-538B-21

Query Match 40.2%; Score 35; DB 2; Length 12;
Best Local Similarity 55.6%; Pred. No. 16;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNNRIWLQ 12
DB 2 WNGDGIWLE 10

RESULT 8

US-08-463-076E-65
Sequence 65, Application US/08463076E
Patent No. 5880096

GENERAL INFORMATION:

APPLICANT: Barrett, Ronald W.
APPLICANT: Yanofsky, Stephen D.
TITLE OF INVENTION: Peptides and Compounds That Bind to the
TITLE OF INVENTION: IL-1 Receptor
NUMBER OF SEQUENCES: 392
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,076E
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Snyder, Joseph R.
REGISTRATION NUMBER: 39,381
REFERENCE/DOCKET NUMBER: 18528A-001850US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 65:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-463-076E-65

Query Match 40.2%; Score 35; DB 2; Length 12;
Best Local Similarity 55.6%; Pred. No. 16;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNNRIWLQ 12
DB 2 WNGDGIWLE 10

RESULT 9

US-09-428-082B-651
Sequence 651, Application US/09428082B
Patent No. 6660843

GENERAL INFORMATION:

APPLICANT: FEIGE, ULRICH
APPLICANT: LIU, CHUAN-FA
APPLICANT: CHEETHAM, JANET C.
APPLICANT: BOONE, THOMAS CHARLES
TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
FILE REFERENCE: A-527
CURRENT APPLICATION NUMBER: US/09/428,082B
CURRENT FILING DATE: 1999-10-22

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; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 651
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE
US-09-428-082B-651

Query Match          40.2%; Score 35; DB 4; Length 12;
Best Local Similarity 55.6%; Pred. No. 16;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      4 WKNNRIWQ 12
DB      2 WGNDDGIWLE 10

RESULT 10
US-08-111-939-11
; Sequence 11, Application US/08111939
; Patent No. 5460951
; GENERAL INFORMATION:
; APPLICANT: Kawai, Shinji
; APPLICANT: Takeshita, Sunao
; APPLICANT: Okazaki, Makoto
; APPLICANT: Amann, Egon
; TITLE OF INVENTION: Bone-Related Carboxypeptidase-Like
; TITLE OF INVENTION: Protein and Process for its Production
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/111,939
; FILING DATE: 26-AUG-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: JP 324033/92
; FILING DATE: 03-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 230029/92
; FILING DATE: 28-AUG-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Forman, David S.
; REGISTRATION NUMBER: 33,694
; REFERENCE/DOCKET NUMBER: 02481.1321-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4000
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: OSF 5.1 (antigen peptide)
; DESCRIPTION: segment of mouse OSF-5 from the 872nd to
; DESCRIPTION: the 886th amino acid residue
; ORIGINAL SOURCE:

; ORGANISM: Mus musculus
US-08-111-939-11

Query Match          36.8%; Score 32; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 62;
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      1 PASWKNR 8
DB      7 PREWENK 14

RESULT 11
US-08-135-319A-8
; Sequence 8, Application US/08135319A
; Patent No. 6528487
; GENERAL INFORMATION:
; APPLICANT: Heavner, George A.
; APPLICANT: McEver, Rodger P.
; APPLICANT: Geng, Jian-Guo
; TITLE OF INVENTION: Peptide Inhibitors of Inflammation Mediated by Selectins
; FILE REFERENCE: CTC 102 CON
; CURRENT APPLICATION NUMBER: US/08/135,319A
; CURRENT FILING DATE: 1993-10-12
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 8
; LENGTH: 10
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic inhibitory peptide
US-08-135-319A-8

Query Match          35.6%; Score 31; DB 4; Length 10;
Best Local Similarity 57.1%; Pred. No. 57;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNNRIW 10
DB      1 YKNNKTW 7

RESULT 12
US-08-190-788A-28
; Sequence 28, Application US/08190788A
; Patent No. 5608035
; GENERAL INFORMATION:
; APPLICANT: Yanofsky, Stephen D.
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Baldwin, David N.
; APPLICANT: Jacobs, Jeff W.
; TITLE OF INVENTION: Peptides and Compounds That Bind to the
; TITLE OF INVENTION: IL-1 Receptor
; NUMBER OF SEQUENCES: 312
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Afymax Technologies N.V.
; STREET: 4001 Miranda Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/190,788A
; FILING DATE: 02-FEB-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/847,567
```

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/ FILING DATE: 05-MAR-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Stevens, Lauren L.
/ REGISTRATION NUMBER: 36,691
/ REFERENCE/DOCKET NUMBER: 1019.1
/ TELEPHONE: 415-496-2300
/ TELEFAX: 415-424-0832
/ INFORMATION FOR SEQ ID NO: 28:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 12 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
US-08-190-786A-28

Query Match 34.5%; Score 30; DB 1; Length 12;
Best Local Similarity 50.0%; Pred. No. 1e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 WKNRIWL 11
Db 3 WDNTGIWV 10

RESULT 13
US-08-383-474B-33
; Sequence 33, Application US/08383474B
; Patent No. 5767234
; GENERAL INFORMATION:
; APPLICANT: Yanofsky, Stephen D.
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Baldwin, David N.
; APPLICANT: Jacobs, Jeff W.
; TITLE OF INVENTION: Peptides and Compounds That Bind to
; TITLE OF INVENTION: the IL-1 Receptor
; NUMBER OF SEQUENCES: 314
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend & Townsend & Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/383,474B
; FILING DATE: 01-FEB-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/190,788
; FILING DATE: 02-FEB-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Stevens, Lauren L.
; REGISTRATION NUMBER: 36,691
; REFERENCE/DOCKET NUMBER: 1019.3
; TELEPHONE: 415-496-2300
; TELEFAX: 415-424-0832
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-383-474B-33

Query Match 34.5%; Score 30; DB 1; Length 12;
Best Local Similarity 50.0%; Pred. No. 1e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 WKNRIWL 11
Db 3 WDNTGIWV 10

RESULT 14
US-08-465-391A-28
; Sequence 28, Application US/08465391A
; Patent No. 5786331
; GENERAL INFORMATION:
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Yanofsky, Stephen D.
; APPLICANT: Baldwin, David
; APPLICANT: Jacobs, Jeff W.
; APPLICANT: Bovy, Phillip R.
; APPLICANT: Leahy, Ellen M.
; APPLICANT: Pottorf, Richard S.
; TITLE OF INVENTION: Peptides and Compounds That Bind to the
; TITLE OF INVENTION: IL-1 Receptor
; NUMBER OF SEQUENCES: 405
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,391A
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/373,474
; FILING DATE: 01-FEB-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/190,788
; FILING DATE: 02-FEB-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5786331v1e1, Vern
; REGISTRATION NUMBER: 32,483
; REFERENCE/DOCKET NUMBER: 16528A-001840/1019.2A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-465-391A-28

Query Match 34.5%; Score 30; DB 1; Length 12;
Best Local Similarity 50.0%; Pred. No. 1e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 WKNRIWL 11
Db 3 WDNTGIWV 10
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RESULT 15
US-08-464-538B-28
; Sequence 28, Application US/08464538B
; Patent No. 5861476
; GENERAL INFORMATION:
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Yanofsky, Stephen D.
; APPLICANT: Baldwin, David
; APPLICANT: Jacobs, Jeff W.
; APPLICANT: Bovy, Philippe R.
; APPLICANT: Leahy, Ellen M.
; APPLICANT: Pottorf, Richard S.
; TITLE OF INVENTION: Peptides and Compounds That Bind to the
; TITLE OF INVENTION: IL-1 Receptor
; NUMBER OF SEQUENCES: 402
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,538B
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/373,474
; FILING DATE: 01-FEB-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/190,788
; FILING DATE: 02-FEB-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 16528A-001810
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-464-538B-28

Query Match 34.5%; Score 30; DB 2; Length 12;
Best Local Similarity 50.0%; Pred. No. 1e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 4 WKNRRL 11
Db 3 WDNTGIW 10

Search completed: April 29, 2004, 09:27:32
Job time : 11.85 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-16

Perfect score: 85

Sequence: 1 PEFHLVFGNCEGVKI 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09D_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10E_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	ID	Description
1	85	100.0	15	14	US-10-354-240-114	Sequence 114, App
2	61	71.8	15	14	US-10-354-240-113	Sequence 113, App
3	55	64.7	15	14	US-10-354-240-115	Sequence 115, App
4	31	36.5	9	10	US-09-935-384-413	Sequence 413, App
5	31	36.5	9	10	US-09-935-384-523	Sequence 523, App
6	31	36.5	9	10	US-09-935-384-549	Sequence 549, App
7	31	36.5	10	10	US-09-935-384-182	Sequence 182, App
8	31	36.5	10	10	US-09-935-384-269	Sequence 269, App
9	31	36.5	10	10	US-09-935-384-271	Sequence 271, App
10	31	36.5	10	10	US-09-935-384-375	Sequence 375, App
11	31	36.5	10	10	US-09-935-384-487	Sequence 487, App
12	31	36.5	10	10	US-09-935-384-492	Sequence 492, App
13	31	36.5	10	10	US-09-935-384-555	Sequence 555, App
14	31	36.5	10	10	US-09-935-384-679	Sequence 679, App
15	31	36.5	10	10	US-09-935-384-690	Sequence 690, App

ALIGNMENTS

RESULT 1

US-10-354-240-114
; Sequence 114, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Kume, Toshio
; APPLICANT: Daiiriki, Kazuo
; APPLICANT: Iwana, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 114
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 31
US-10-354-240-114

Query Match 100.0%; Score 85; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEFHLVFGNCEGVKI 15

DB 1 PEFHLVFGNCEGVKI 15

Sequence 70, Appl
Sequence 112, App
Sequence 39, Appl
Sequence 5, Appl
Sequence 8, Appl
Sequence 10, Appl
Sequence 30, Appl
Sequence 32, Appl
Sequence 33, Appl
Sequence 38, Appl
Sequence 460, App
Sequence 65, Appl
Sequence 81, Appl
Sequence 25, Appl
Sequence 25, Appl
Sequence 39, Appl
Sequence 10, Appl
Sequence 5, Appl
Sequence 23, Appl
Sequence 34, Appl
Sequence 7, Appl
Sequence 18, Appl
Sequence 22, Appl
Sequence 1644, Ap
Sequence 1646, Ap
Sequence 867, App
Sequence 869, App
Sequence 34, Appl
Sequence 34, Appl
Sequence 135, App
Sequence 16, Appl

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RESULT 2
US-10-354-240-113
; Sequence 113, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 113
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 30
US-10-354-240-113

Query Match 71.8%; Score 61; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEFHLVFGNC 10
DB 6 PEFHLVFGNC 15

RESULT 3
US-10-354-240-115
; Sequence 115, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 115
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 32
US-10-354-240-115

Query Match 64.7%; Score 55; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 6 VFGNCEGVKI 15
DB 1 VFGNCEGVKI 10

RESULT 4
US-09-935-384-413
; Sequence 413, Application US/09935384
; Publication No. US2003016526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: APAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1H4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 413
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-413

Query Match 36.5%; Score 31; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFGNC 10
DB 1 VFGNC 5

RESULT 5
US-09-935-384-523
; Sequence 523, Application US/09935384
; Publication No. US2003016526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: APAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1H4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 523
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-523

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Query Match      36.5%; Score 31; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
      |||||
Db      4 VFGNC 8

RESULT 6
US-09-935-384-549
; Sequence 549, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 549
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-549

Query Match      36.5%; Score 31; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
      |||||
Db      5 VFGNC 9

RESULT 7
US-09-935-384-182
; Sequence 182, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 182
; LENGTH: 10
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-935-384-182

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
      |||||
Db      5 VFGNC 9

RESULT 8
US-09-935-384-269
; Sequence 269, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 269
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-269

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
      |||||
Db      2 VFGNC 6

RESULT 9
US-09-935-384-271
; Sequence 271, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 271
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-271

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      5 VFGNC 9

RESULT 10
US-09-935-384-375
; Sequence 375, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 375
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-375

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      5 VFGNC 9

RESULT 11
US-09-935-384-487
; Sequence 487, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      2 VFGNC 6

RESULT 12
US-09-935-384-492
; Sequence 492, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 492
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-492

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      2 VFGNC 6

RESULT 13
US-09-935-384-555
; Sequence 555, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00

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; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 555
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-555

Query Match 36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 VFGNC 10
| | | | |
Db 5 VFGNC 9

RESULT 14
US-09-935-384-679
; Sequence 679, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 679
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-679

Query Match 36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 VFGNC 10
| | | | |
Db 2 VFGNC 6

Search completed: April 29, 2004, 10:34:10
Job time : 30.85 secs

; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 690
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-690

Query Match 36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 VFGNC 10
| | | | |
Db 2 VFGNC 6

Search completed: April 29, 2004, 10:34:10
Job time : 30.85 secs

; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 555
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-555

Query Match 36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 VFGNC 10
| | | | |
Db 5 VFGNC 9

RESULT 15
US-09-935-384-690
; Sequence 690, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates

Title: US-09-308-027A-15

Perfect score: 87

Scoring table: BLOSUM62

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

. Listing first 45 summaries

Database : Published_Applications_AA:*

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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pcp.
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pcp.
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pcp.
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pcp.
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pcp.
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pcp.
8: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pcp.
9: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pcp.
10: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pcp.
11: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pcp.
12: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pcp.
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14: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pcp.
15: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pcp.
16: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pcp.
17: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pcp.
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pcp.

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	No	Score	Query		Length	DB	ID	Description
			Match	%				
1	87	100	0	15	14	US-10-354-240-99	Sequence 99, Appl	
2	93	72.4	15	14	14	US-10-354-240-98	Sequence 98, Appl	
3	56	64.4	15	14	14	US-10-354-240-100	Sequence 100, Appl	
4	35	40.2	12	12	12	US-10-609-17-651	Sequence 651, Appl	
5	35	40.2	12	12	12	US-10-632-388-651	Sequence 651, Appl	
6	35	40.2	12	12	12	US-10-651-723-651	Sequence 651, Appl	
7	35	40.2	12	12	12	US-10-645-761-651	Sequence 651, Appl	
8	35	40.2	12	16	16	US-10-666-696-651	Sequence 651, Appl	
9	32	36.8	13	10	10	US-09-953-354-107	Sequence 107, Appl	
10	31	35.6	10	14	14	US-10-319-340-8	Sequence 8, Appl	
11	31	35.6	15	14	14	US-10-354-240-97	Sequence 97, Appl	
12	31	35.6	15	14	14	US-10-354-240-160	Sequence 160, Appl	
13	30	34.5	6	9	9	US-09-911-838-140	Sequence 140, Appl	
14	30	34.5	7	9	9	US-09-911-838-139	Sequence 139, Appl	
15	30	34.5	7	9	9	US-09-911-838-141	Sequence 141, Appl	

Query Match 100.0%; Score 87; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.3e-06;
Matches 15; Conservative 0; Mismatches 0; Indels

1 PASWKNNRIWLOFAK 15

ALIGNMENTS

RESULT 1

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US-10-354-240-99
; Sequence 99, Application US/10354240
; Publication No. US20030105847A1
;
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Kohsuke
; APPLICANT: Kino, Kohsuke
;
; TITLE OF INVENTION: Peptide-Based I
;
; FILE REFERENCE: SPO-103DL
;
; CURRENT APPLICATION NUMBER: US/10/3
;
; CURRENT FILING DATE: 2003-01-29
;
; PRIOR APPLICATION NUMBER: PCT/JP97/1
;
; PRIOR FILING DATE: 1997-03-10
;
; PRIOR APPLICATION NUMBER: US 09/142
;
; PRIOR FILING DATE: 1998-09-09
;
; NUMBER OF SEQ ID NOS: 174
;
; SOFTWARE: PatentIn version 3.1
;
; SEQ ID NO 99
;
; LENGTH: 15

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; LIFE: Euk
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 pepti
US-10-354-240-99

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Sequence 658, App
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Sequence 658, App
Sequence 658, App
Sequence 170, App
Sequence 245, App
Sequence 658, App
Sequence 658, App
Sequence 432, App
Sequence 432, App
Sequence 124, App
Sequence 124, App
Sequence 125, App
Sequence 125, App
Sequence 125, App
Sequence 16, App
Sequence 16, App
Sequence 13, App
Sequence 26, App
Sequence 26, App
Sequence 25, App
Sequence 667, App
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Sequence 1, App
Sequence 18, App
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Sequence 31, App
Sequence 31, App
Sequence 667, App
Sequence 670, App
Sequence 670, App
Sequence 670, App

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RESULT 2
US-10-354-240-98
; Sequence 98, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akihori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 98
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 15
US-10-354-240-98

Query Match 72.4%; Score 63; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PASWKNNRIW 10
DB 6 PASWKNNRIW 15

RESULT 3
US-10-354-240-100
; Sequence 100, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akihori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 100
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 17
US-10-354-240-100

Query Match 64.4%; Score 56; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 6 NNRIWLOPAK 15
DB 1 NNRIWLOPAK 10

RESULT 4
US-10-609-217-651
; Sequence 651, Application US/10609217
; Publication No. US20040044188A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/609,217
; CURRENT FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 651
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE
US-10-609-217-651

Query Match 40.2%; Score 35; DB 12; Length 12;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNNRIWLO 12
DB 2 WKNDGIWLE 10

RESULT 5
US-10-632-388-651
; Sequence 651, Application US/10632388
; Publication No. US20040053845A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/632,388
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 651
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE
US-10-632-388-651

Query Match 40.2%; Score 35; DB 12; Length 12;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

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Qy 4 WKNRWLQ 12
| | | | |
Db 2 WNGDGIWLE 10

RESULT 6
US-10-651-723-651
; Sequence 651, Application US/10651723
; Publication No. US20040057953A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/651,723
; CURRENT FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 651
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE
US-10-651-723-651

Query Match 40.2%; Score 35; DB 12; Length 12;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 WKNRWLQ 12
| | | | |
Db 2 WNGDGIWLE 10

RESULT 7
US-10-645-761-651
; Sequence 651, Application US/10645761
; Publication No. US20040071712A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/645,761
; CURRENT FILING DATE: 2003-08-18
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 651
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE
US-10-645-761-651

Query Match 40.2%; Score 35; DB 12; Length 12;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 WKNRWLQ 12

Db 2 WNGDGIWLE 10
| | | | |

RESULT 8
US-10-666-696-651
; Sequence 651, Application US/10666696
; Publication No. US20040077022A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; APPLICANT: GUDAS, JEAN MARIE
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527A
; CURRENT APPLICATION NUMBER: US/10/666,696
; CURRENT FILING DATE: 2003-09-19
; PRIOR APPLICATION NUMBER: US/09/563,286C
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: 09/428,082
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1157
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 651
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE
US-10-666-696-651

Query Match 40.2%; Score 35; DB 16; Length 12;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 WKNRWLQ 12
| | | | |
Db 2 WNGDGIWLE 10

RESULT 9
US-09-953-354-107
; Sequence 107, Application US/09953354
; Publication No. US20030054402A1
; GENERAL INFORMATION:
; APPLICANT: Klein, Christine A.
; APPLICANT: Murphy, Andrew J. M.
; TITLE OF INVENTION: Identifying Receptor Effectors
; NUMBER OF SEQUENCES: 132
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Ascii(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/953,354
; FILING DATE: 13-Sep-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/689,172
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:

NAME: KARA, Catherine J.
REGISTRATION NUMBER: P41,106
REFERENCE/DOCKET NUMBER: CPI-012CP7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 107:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 107:
US-09-953-354-107

Query Match 36.8%; Score 32; DB 10; Length 13;
Best Local Similarity 55.6%; Pred. No. 3.7e+02;
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 3 SWKNRIWL 11
Db 4 SWKRLRLWL 12

RESULT 10
US-10-319-340-8
Sequence 8, Application US/10319340
Publication No. US2003014211A1
GENERAL INFORMATION:
APPLICANT: Heavner, George A.
APPLICANT: McEever, Rodger P.
APPLICANT: Geng, Jian-Guo
TITLE OF INVENTION: Peptide Inhibitors of Inflammation Mediated by Selectins
FILE REFERENCE: CTC 102 CON DIV
CURRENT APPLICATION NUMBER: US/10/319,340
CURRENT FILING DATE: 2002-12-13
PRIOR APPLICATION NUMBER: 08/135,319
PRIOR FILING DATE: 1993-10-12
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 10
TYPE: PRT
ORGANISM: artificial sequence
FEATURE:
OTHER INFORMATION: Synthetic inhibitory peptide
US-10-319-340-8

Query Match 35.6%; Score 31; DB 14; Length 10;
Best Local Similarity 57.1%; Pred. No. 4.1e+02;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 4 WKNRIWL 10
Db 1 YKNNKTW 7

RESULT 11
US-10-354-240-97
Sequence 97, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akimori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JF97/00740
PRIOR FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 97
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)-(15)
OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 14
US-10-354-240-97

Query Match 35.6%; Score 31; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PASWK 5
Db 11 PASWK 15

RESULT 12
US-10-354-240-160
Sequence 160, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akimori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JF97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 160
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)-(15)
OTHER INFORMATION: Figure 7, Row c
US-10-354-240-160

Query Match 35.6%; Score 31; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PASWK 5
Db 11 PASWK 15

RESULT 13
US-09-911-838-140
Sequence 140, Application US/09911838
Patent No. US20020151678A1
GENERAL INFORMATION:
APPLICANT: ARLINGHAUS, RALPH
TITLE OF INVENTION: PROPHYLAXIS AND THERAPY OF ACQUIRED IMMUNODEFICIENCY
FILE REFERENCE: SYNDROME
FILE REFERENCE: UTSC:267USC1
CURRENT APPLICATION NUMBER: US/09/911,838
CURRENT FILING DATE: 2001-07-24

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; PRIOR APPLICATION NUMBER: 07/834,923
; PRIOR FILING DATE: 1992-02-13
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 140
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-911-838-140

Query Match      34.5%; Score 30; DB 9; Length 7;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNMRI 9
      |||||
Db      1 WKNRMV 6

Search completed: April 29, 2004, 10:34:10
JOB time : 31.85 secs

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-911-838-141

Query Match      34.5%; Score 30; DB 9; Length 7;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNMRI 9
      |||||
Db      1 WKNRMV 6

Search completed: April 29, 2004, 10:34:10
JOB time : 31.85 secs

; PRIOR APPLICATION NUMBER: 07/834,923
; PRIOR FILING DATE: 1992-02-13
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 140
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-911-838-140

Query Match      34.5%; Score 30; DB 9; Length 6;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNMRI 9
      |||||
Db      1 WKNRMV 6

RESULT 14
US-09-911-838-139
; Sequence 139, Application US/09911838
; Patent No. US20020151678A1
; GENERAL INFORMATION:
; APPLICANT: ARLINGHAUS, RALPH
; TITLE OF INVENTION: PROPHYLAXIS AND THERAPY OF ACQUIRED IMMUNODEFICIENCY
; FILE REFERENCE: UTSC:267USC1
; CURRENT APPLICATION NUMBER: US/09/911,838
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 07/834,923
; PRIOR FILING DATE: 1992-02-13
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 139
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-911-838-139

Query Match      34.5%; Score 30; DB 9; Length 7;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNMRI 9
      |||||
Db      2 WKNRMV 7

RESULT 15
US-09-911-838-141
; Sequence 141, Application US/09911838
; Patent No. US20020151678A1
; GENERAL INFORMATION:
; APPLICANT: ARLINGHAUS, RALPH
; TITLE OF INVENTION: PROPHYLAXIS AND THERAPY OF ACQUIRED IMMUNODEFICIENCY
; FILE REFERENCE: UTSC:267USC1
; CURRENT APPLICATION NUMBER: US/09/911,838
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 07/834,923
; PRIOR FILING DATE: 1992-02-13
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 141
; LENGTH: 7
; TYPE: PRT
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US-08-467-023-183

Query Match 54.3%; Score 44; DB 3; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDGIIIAAYQ 9
| | | | |
DB 5 VDGIIIAAYQ 13

RESULT 2

US-08-467-023-185
; Sequence 185, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 185:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal

US-08-467-023-185
Query Match 54.3%; Score 44; DB 3; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDGIIIAAYQ 9
| | | | |
DB 5 VDGIIIAAYQ 13

RESULT 3

US-08-925-002-11
; Sequence 11, Application US/08925002
; Patent No. 6048527
; GENERAL INFORMATION:
; APPLICANT: Granoff, Dan M.
; APPLICANT: Moe, Gregory R.

; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE
; FILE REFERENCE: 1238.002
; CURRENT APPLICATION NUMBER: US/08/925,002
; CURRENT FILING DATE: 1997-08-27
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8
; TYPE: PRT

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence from
; OTHER INFORMATION: a phage display peptide library
US-08-925-002-11

Query Match 38.3%; Score 31; DB 3; Length 8;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 8 YONPASWK 15
| | | | |
DB 1 YQGPLGWR 8

RESULT 4

US-09-910-552-11
; Sequence 11, Application US/09910552
; Patent No. 6642354
; GENERAL INFORMATION:
; APPLICANT: Granoff, Dan M.
; APPLICANT: Moe, Gregory R.
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE
; FILE REFERENCE: 1238.002
; CURRENT APPLICATION NUMBER: US/09/910,552
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: 09/494,822
; PRIOR FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence from
; OTHER INFORMATION: a phage display peptide library

US-09-910-552-11

Query Match 38.3%; Score 31; DB 4; Length 8;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 8 YONPASWK 15
| | | | |
DB 1 YQGPLGWR 8

RESULT 5

5217869-96
; Patent No. 5217869
; APPLICANT: KAUVAR, LAWRENCE M.
; TITLE OF INVENTION: METHOD TO PRODUCE IMMUNODIAGNOSTIC
; REAGENTS


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; NUMBER OF SEQUENCES: 121
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/255,906
; FILING DATE: 11-OCT-1988
; SEQ ID NO:96;
; LENGTH: 9
5217869-96

Query Match          35.8%; Score 29; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 GIIAAY 8
       |||||
Db      1 GIIAAY 6

RESULT 6
US-08-423-646A-54
; Sequence 54, Application US/08423646A
; Patent No. 6280964
; GENERAL INFORMATION:
; APPLICANT: Kavanaugh, William M.
; APPLICANT: Williams, Lewis T.
; TITLE OF INVENTION: Binding Sites for Phosphotyrosine
; TITLE OF INVENTION: Binding Domains
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/423,646A
; FILING DATE: 14-APR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dow, Karen B.
; REGISTRATION NUMBER: 29,684
; REFERENCE/DOCKET NUMBER: 2307K-059100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(7)
; OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
US-08-423-646A-54

Query Match          35.8%; Score 29; DB 3; Length 13;
Best Local Similarity 50.0%; Pred. No. 61;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      7 AYQNPASW 14
       |||||
Db      1 AFDNPDW 8

RESULT 7
US-08-423-646A-54
; Sequence 54, Application US/08423646A
; Patent No. 6280964
; GENERAL INFORMATION:
; APPLICANT: Kavanaugh, William M.
; APPLICANT: Williams, Lewis T.
; TITLE OF INVENTION: Binding Sites for Phosphotyrosine
; TITLE OF INVENTION: Binding Domains
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/423,646A
; FILING DATE: 14-APR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dow, Karen B.
; REGISTRATION NUMBER: 29,684
; REFERENCE/DOCKET NUMBER: 2307K-059100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(7)
; OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
US-08-423-646A-54

Query Match          35.8%; Score 29; DB 6; Length 14;
Best Local Similarity 62.5%; Pred. No. 67;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      7 AYQNPASW 14
       |||||
Db      5 AFWNTASW 12

RESULT 8
US-08-460-874A-26
; Sequence 26, Application US/08460874A
; Patent No. 5744298
; GENERAL INFORMATION:
; APPLICANT: Stuber, Werner
; APPLICANT: Wiczorek, Leszek
; APPLICANT: Ziegelmaier, Robert
; TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor
; TITLE OF INVENTION: and the Use Thereof
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flinnegan, Henderson, Farabow, Garrett &
```

```
/
/ ADDRESSEE: Dunner
/ STREET: 1300 I Street, N.W., Suite 700
/ CITY: Washington,
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/460.874A
/ FILING DATE: 06-JUN-1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/936,219
/ FILING DATE: 27-AUG-1992
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: DE P4128684.7
/ FILING DATE: 29-AUG-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Forman, David S.
/ REGISTRATION NUMBER: 33,694
/ REFERENCE/DOCKET NUMBER: 05552-1210-04000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4000
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 26:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 15 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ US-08-460-874A-26

Query Match 35.8%; Score 29; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 73;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPAW 14
DB 3 NPAW 7

RESULT 9
US-08-388-883B-26
/ Sequence 26, Application US/08388883B
/ Patent No. 5859185
/ GENERAL INFORMATION:
/ APPLICANT: Stuber, Werner
/ APPLICANT: WIECZOREK, Leszek
/ APPLICANT: ZIEGELMAIER, Robert
/ TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor
/ TITLE OF INVENTION: and the Use Thereof
/ NUMBER OF SEQUENCES: 49
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
/ ADDRESS: Dunner L.L.P.
/ STREET: 1300 I Street, N.W., Suite 700
/ CITY: Washington,
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/388.883B
/ FILING DATE: 13-FEB-1995
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/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/300,305
/ FILING DATE: 23-FEB-1994
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/936,219
/ FILING DATE: 27-AUG-1992
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: DE P4128684.7
/ FILING DATE: 29-AUG-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Forman, David S.
/ REGISTRATION NUMBER: 33,694
/ REFERENCE/DOCKET NUMBER: 5552-1210-02000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4000
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 26:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 15 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ US-08-388-883B-26

Query Match 35.8%; Score 29; DB 2; Length 15;
Best Local Similarity 80.0%; Pred. No. 73;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPAW 14
DB 3 NPAW 7

RESULT 10
US-08-462-211A-26
/ Sequence 26, Application US/08462211A
/ Patent No. 6143493
/ GENERAL INFORMATION:
/ APPLICANT: Stuber, Werner
/ APPLICANT: WIECZOREK, Leszek
/ APPLICANT: ZIEGELMAIER, Robert
/ TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor
/ TITLE OF INVENTION: and the Use Thereof
/ NUMBER OF SEQUENCES: 49
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
/ ADDRESS: Dunner L.L.P.
/ STREET: 1300 I Street, N.W., Suite 700
/ CITY: Washington,
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/462,211A
/ FILING DATE: 05-JUN-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/388,883
/ FILING DATE: 13-FEB-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/300,305
/ FILING DATE: 23-FEB-1994
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/936,219
/ FILING DATE: 27-AUG-1992
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: DE P4128684.7
/ FILING DATE: 29-AUG-1991
```

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; ATTORNEY/AGENT INFORMATION:
; NAME: Forman, David S.
; REGISTRATION NUMBER: 33,694
; REFERENCE/DOCKET NUMBER: 5552.1210-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-462-211A-26

Query Match      35.8%; Score 29; DB 3; Length 15;
Best Local Similarity 80.0%; Pred. No. 73;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      10 NPASW 14
DB      3 NPAW 7

RESULT 11
US-09-643-597-226
; Sequence 226, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 226
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-643-597-226

Query Match      34.6%; Score 28; DB 4; Length 9;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      11 PASWK 15
DB      4 PATWK 8

RESULT 12
US-09-480-984A-226
; Sequence 226, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 226
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-480-884A-226

Query Match      34.6%; Score 28; DB 4; Length 9;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      11 PASWK 15
DB      4 PATWK 8

RESULT 13
US-09-542-615A-226
; Sequence 226, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 226
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-226

Query Match      34.6%; Score 28; DB 4; Length 9;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      11 PASWK 15
DB      4 PATWK 8

RESULT 14
US-09-606-421B-226
; Sequence 226, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28
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; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 226
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-606-421B-226

Query Match          34.6%; Score 28; DB 4; Length 9;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PASWK 15
Db      4 PATWK 8

RESULT 15
US-08-934-222-49
; Sequence 49, Application US/08934222
; Patent No. 5928896
; GENERAL INFORMATION:
; APPLICANT: EVANS, Herbert J.
; APPLICANT: KINI, R. Manjunatha
; TITLE OF INVENTION: Polypeptides That Include Conformation-
; TITLE OF INVENTION: Constraining Groups Which Plank A Protein-Protein Interaction
; TITLE OF INVENTION: Site
; NUMBER OF SEQUENCES: 153
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20007
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,222
; FILING DATE: 19-SEPT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/532,818
; FILING DATE: 03-MAY-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 08/143,364
; FILING DATE: 29-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 08/051,741
; FILING DATE: 23-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Isaacson, John P.
; REGISTRATION NUMBER: 33,751
; REFERENCE/DOCKET NUMBER: 040433/0148
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-934-222-49

Query Match          34.6%; Score 28; DB 2; Length 10;
Best Local Similarity 80.0%; Pred. No. 67;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      10 NEASW 14
Db      1 NPAGW 5
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Search completed: April 29, 2004, 09:27:32

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-13

Perfect score: 72

Sequence: 1 SALLVPGSKKEVN 15

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Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

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Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

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3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PTUTS COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	30	41.7	13	1	US-08-548-540-153
2	30	41.7	13	5	PCT-US96-09809-153
3	29	40.3	10	1	US-08-214-650-5
4	27	37.5	10	4	US-08-469-260A-250
5	27	37.5	10	4	US-08-488-446-250
6	27	37.5	10	4	US-08-467-344A-250
7	26	36.1	9	4	US-08-492-543-55
8	26	36.1	9	4	US-08-492-543-105
9	26	36.1	9	4	US-08-492-543-112
10	26	36.1	9	4	US-08-187-859-3887
11	26	36.1	9	4	US-08-839-542B-3887
12	26	36.1	10	4	US-08-187-859-3888
13	26	36.1	10	4	US-08-839-542B-3888
14	26	36.1	11	4	US-08-187-859-3889
15	26	36.1	11	4	US-08-839-542B-3889
16	26	36.1	15	3	US-08-101-146-51
17	25	34.7	12	3	US-08-844-978-11
18	25	34.7	12	3	US-08-844-978-14
19	25	34.7	12	4	US-08-479-378-11
20	25	34.7	12	4	US-08-479-378-14
21	25	34.7	13	1	US-08-276-213-5
22	25	34.7	15	1	US-08-318-200-3
23	25	34.7	15	3	US-08-414-174-3
24	24	33.3	8	1	US-08-266-514-12
25	24	33.3	8	2	US-08-654-604-12
26	24	33.3	8	4	US-08-187-859-3165
27	24	33.3	8	4	US-09-187-859-3255

RESULT 1
US-08-548-540-153
; Sequence 153, Application US/08548540
; Patent No. 5733731
; GENERAL INFORMATION:
; APPLICANT: Schatz, Peter J.
; APPLICANT: Cull, Millard G.
; APPLICANT: Miller, Jeff F.
; APPLICANT: Stemmer, Willem P.C.
; APPLICANT: Gates, Christian M.
; TITLE OF INVENTION: Peptide Library and Screening Method
; NUMBER OF SEQUENCES: 162
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: William M. Smith
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/548,540
; FILING DATE: 26-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/290,641
; FILING DATE: 15-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/963,321
; FILING DATE: 15-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 16528J-001240US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 153:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-548-540-153

ALIGNMENTS

Sequence 3165, Ap
Sequence 3255, Ap
Sequence 509, App
Sequence 599, App
Sequence 1163, Ap
Sequence 3166, Ap
Sequence 3256, Ap
Sequence 3166, Ap
Sequence 3256, Ap
Sequence 510, App
Sequence 600, App
Sequence 175, App
Sequence 1164, Ap
Sequence 1164, Ap
Sequence 3257, Ap
Sequence 3167, Ap
Sequence 3257, Ap
Sequence 511, App

Query Match 41.7%; Score 30; DB 1; Length 13;
Best Local Similarity 55.6%; Pred. No. 33;
Matches 5; Conservative 2; Mismatches 0; Gaps 0;

QY 7 PGSKKFVN 15
|||:|:|:
DB 5 PGRAFMVN 13

RESULT 2
PCT-US96-09809-153
; Sequence 153, Application PC/TUS9609809
; GENERAL INFORMATION:
; APPLICANT: Schatz, Peter J.
; APPLICANT: Cull, Millard G.
; APPLICANT: Miller, Jeff F.
; APPLICANT: Stemmer, William P.C.
; APPLICANT: Gates, Christian M.
; TITLE OF INVENTION: Peptide Library and Screening Method
; NUMBER OF SEQUENCES: 162
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: William M. Smith
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/09809
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/548,540
; FILING DATE: 26-OCT-1995
; APPLICATION NUMBER: US 08/290,641
; FILING DATE: 15-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/963,321
; FILING DATE: 15-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 16528J-001240US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 153:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; PCT-US96-09809-153

Query Match 41.7%; Score 30; DB 5; Length 13;
Best Local Similarity 55.6%; Pred. No. 33;
Matches 5; Conservative 2; Mismatches 0; Gaps 0;

QY 7 PGSKKFVN 15
|||:|:|:
DB 5 PGRAFMVN 13

RESULT 3
US-08-214-650-5
; Sequence 5, Application US/08214650
; Patent No. 5709995

Query Match 40.3%; Score 29; DB 1; Length 10;
Best Local Similarity 60.0%; Pred. No. 37;
Matches 6; Conservative 2; Mismatches 0; Gaps 0;

QY 4 LLVPSKKFV 13
|||:|:|:
DB 1 LLAPGAKQV 10

RESULT 4
US-08-469-260A-250
; Sequence 250, Application US/08469260A
; Patent No. 6451578
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAWSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUEHRHOFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MUSHAWAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
; REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: US/08/469,260A

CLASSIFICATION:
PRIORITY APPLICATION DATA:
PRIORITY APPLICATION NUMBER: US/08/424,550
FILING DATE: US/08/424,550

ATTORNEY/AGENT INFORMATION:
NAME: FOREMSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623

INFORMATION FOR SEQ ID NO: 250:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-260A-250

Query Match 37.5%; Score 27; DB 4; Length 10;
Best Local Similarity 57.1%; Pred. No. 87;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 PGSKKFV 13
|||:
Db 1 PGDRKFL 7

RESULT 5
US-08-488-446-250
Sequence 250, Application US/08488446
Patent No. 658898
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMI J. PILOT-MATIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUERHOFF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: US/08/488,446
CLASSIFICATION:
PRIORITY APPLICATION DATA:
PRIORITY APPLICATION NUMBER: US/08/424,550
FILING DATE: US/08/424,550

ATTORNEY/AGENT INFORMATION:
NAME: FOREMSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623

INFORMATION FOR SEQ ID NO: 250:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-488-446-250

Query Match 37.5%; Score 27; DB 4; Length 10;
Best Local Similarity 57.1%; Pred. No. 87;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 PGSKKFV 13
|||:
Db 1 PGDRKFL 7

RESULT 6
US-08-467-344A-250
Sequence 250, Application US/08467344A
Patent No. 6586388
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMI J. PILOT-MATIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUERHOFF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 07-Jun-1995
PRIORITY APPLICATION DATA:
PRIORITY APPLICATION NUMBER: 08/424,550
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: FOREMSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 250:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear

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; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 250:
US-08-467-344A-250

Query Match      37.5%; Score 27; DB 4; Length 10;
Best Local Similarity 57.1%; Pred. No. 87;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 PGSKKFV 13
DB 1 PGDRKFL 7

RESULT 7
US-09-492-543-55
; Sequence 55, Application US/09492543A
; Patent No. 6316213
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; FILE REFERENCE: D6223CIP-B
; CURRENT APPLICATION NUMBER: US/09/492,543A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 189
; SOFTWARE: WORD 6.0.1 for Macintosh
; SEQ ID NO 55
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 8-16 of the PUMP-1 protein
US-09-492-543-55

Query Match      36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 AMLLVPGS 9
DB 1 AVCLLPGS 8

RESULT 8
US-09-492-543-105
; Sequence 105, Application US/09492543A
; Patent No. 6316213
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; FILE REFERENCE: D6223CIP-B
; CURRENT APPLICATION NUMBER: US/09/492,543A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 189
; SOFTWARE: WORD 6.0.1 for Macintosh
; SEQ ID NO 105
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 8-16 of the PUMP-1 protein
US-09-492-543-105

Query Match      36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 AMLLVPGS 9
DB 1 AVCLLPGS 8

RESULT 9
US-09-492-543-112
; Sequence 112, Application US/09492543A
; Patent No. 6316213
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; FILE REFERENCE: D6223CIP-B
; CURRENT APPLICATION NUMBER: US/09/492,543A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 189
; SOFTWARE: WORD 6.0.1 for Macintosh
; SEQ ID NO 112
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 8-16 of the PUMP-1 protein
US-09-492-543-112

Query Match      36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 AMLLVPGS 9
DB 1 AVCLLPGS 8

RESULT 10
US-09-187-859-3887
; Sequence 3887, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3887
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-187-859-3887

Query Match      36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 KKFVNV 15
DB 1 KKFLLN 6

RESULT 11
US-09-839-542B-3887
; Sequence 3887, Application US/09839542B
; Patent No. 6569996
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; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3887
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-839-542B-3887

Query Match          36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      10 KKFVYN 15
DB      1 KKFLLN 6

RESULT 12
US-09-187-859-3888
; Sequence 3888, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3888
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-187-859-3888

Query Match          36.1%; Score 26; DB 4; Length 10;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      10 KKFVYN 15
DB      1 KKFLLN 6

RESULT 13
US-09-839-542B-3888
; Sequence 3888, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
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; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3888
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-839-542B-3888

Query Match          36.1%; Score 26; DB 4; Length 10;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      10 KKFVYN 15
DB      1 KKFLLN 6

RESULT 14
US-09-187-859-3889
; Sequence 3889, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3889
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-187-859-3889

Query Match          36.1%; Score 26; DB 4; Length 11;
Best Local Similarity 66.7%; Pred. No. 1.5e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      10 KKFVYN 15
DB      1 KKFLLN 6

RESULT 15
US-09-839-542B-3889
; Sequence 3889, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3889
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; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-839-542B-3889

Query Match          36.1%; Score 26; DB 4; Length 11;
Best Local Similarity 66.7%; Pred. No. 1.5e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KKVVVN 15
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Db 1 KKFLIN 6

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Search completed: April 29, 2004, 09:27:31
Job time : 11.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds

(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-14

Perfect score: 81

Sequence: 1 VDGIIAAYQNPAWK 15

Scoring table: BLOSUM62

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Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

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11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
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17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	81	100.0	15	14	US-10-354-240-97
2	81	100.0	15	14	US-10-354-240-97
3	57	70.4	15	14	US-10-354-240-98
4	50	61.7	15	14	US-10-354-240-96
5	33	40.7	10	12	US-10-142-648-6
6	32	39.5	13	14	US-10-225-567A-2186
7	31	38.3	8	9	US-09-910-552-11
8	31	38.3	8	16	US-10-643-465-11
9	31	38.3	13	14	US-10-300-694A-53
10	31	38.3	13	14	US-10-300-694A-60
11	31	38.3	15	14	US-10-354-240-99
12	29	35.8	13	9	US-09-894-967A-54
13	29	35.8	14	14	US-10-224-999A-3086
14	29	35.8	15	14	US-10-224-999A-3097
15	29	35.8	15	14	US-10-224-999A-3098

Sequence 226, App
Sequence 226, App
Sequence 226, App
Sequence 226, App
Sequence 226, App
Sequence 226, App
Sequence 6, Appli
Sequence 6, Appli
Sequence 561, App
Sequence 25, Appl
Sequence 67, Appl
Sequence 21, Appl
Sequence 22, Appl
Sequence 58, Appl
Sequence 58, Appl
Sequence 16, Appl
Sequence 65, Appl
Sequence 14, Appl
Sequence 16, Appl
Sequence 27, Appl
Sequence 27, Appl
Sequence 18, Appl
Sequence 19, Appl
Sequence 24, Appl
Sequence 7, Appl
Sequence 115, App
Sequence 103, App
Sequence 762, App
Sequence 285, App
Sequence 21, Appl

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US-09-850-716A-226
US-09-897-778-226
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US-10-117-982-226
US-10-313-986-226
US-09-949-434-6
US-10-240-709-6
US-10-022-066-561
US-09-736-076-25
US-09-736-076-67
US-10-032-330-21
US-10-032-330-22
US-10-262-435-58
US-10-086-208-58
US-09-952-768-16
US-09-954-657-65
US-09-845-612B-14
US-10-668-955-16
US-09-746-731-27
US-10-059-749-27
US-10-407-449-18
US-10-407-449-19
US-10-122-675-24
US-10-059-261-7
US-10-059-261-115
US-09-954-385-103
US-10-014-340-762
US-10-393-815-285
US-10-013-477-21

ALIGNMENTS

RESULT 1
US-10-354-240-97
; Sequence 97, Application US/10354240
; Publication NO. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 97
; LENGTH: 15
; TYPE: PRI
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 14
US-10-354-240-97

Query Match 100.0%; Score 81; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 6.8e-07; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0;

QY 1 VDGIIAAYQNPAWK 15

Db 1 VDGIIAAYQNPAWK 15

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RESULT 2
US-10-354-240-160
; Sequence 160, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiziki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 160
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row C
US-10-354-240-160

Query Match 100.0%; Score 81; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.8e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDGIIIAAYONPASWK 15
DB 1 VDGIIIAAYONPASWK 15

RESULT 3
US-10-354-240-98
; Sequence 98, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiziki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 98
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 15
US-10-354-240-98

Query Match 70.4%; Score 57; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0083;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 6 AAYQNPAWK 15
DB 1 AAYQNPAWK 10

RESULT 4
US-10-354-240-96
; Sequence 96, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiziki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 13
US-10-354-240-96

Query Match 61.7%; Score 50; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDGIIIAAYON 10
DB 6 VDGIIIAAYON 15

RESULT 5
US-10-142-648-6
; Sequence 6, Application US/10142648
; Publication No. US20030211535A1
; GENERAL INFORMATION:
; APPLICANT: Lorens, James
; APPLICANT: Bogenberger, Jakob M.
; TITLE OF INVENTION: BI-DIRECTIONALLY CLONED RANDOM cDNA EXPRESSION VECTOR LIBRARIES,
; FILE REFERENCE: A-71091/RMS/DHR
; CURRENT FILING DATE: 2002-05-08
; CURRENT APPLICATION NUMBER: US/10/142,648
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: vector sequence
US-10-142-648-6

Query Match 40.7%; Score 33; DB 12; Length 10;
Best Local Similarity 83.3%; Pred. No. 66;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 9 QNPASW 14
DB 9 QNPASW 14
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Db      2 QNPAQW 7

RESULT 6
; Sequence 2186, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenn A.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2186
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-2186

Query Match      39.5%; Score 32; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      1 VDGIIAAYQN 10
      |||
      2 VDAVIDAYNN 11

RESULT 7
US-09-910-552-11
; Sequence 11, Application US/09910552
; Publication No. US20020197260A1
; GENERAL INFORMATION:
; APPLICANT: Granoff, Dan M.
; APPLICANT: Moe, Gregory R.
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE
; FILE REFERENCE: 1238.002
; CURRENT APPLICATION NUMBER: US/09/910,552
; CURRENT FILING DATE: 2001-07-23
; PRIOR FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence from
; OTHER INFORMATION: a phage display peptide library
US-09-910-552-11

Query Match      38.3%; Score 31; DB 9; Length 8;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      8 YQNPAWK 15
      |||
      1 YQGPLGWR 8

RESULT 8
US-10-643-465-11
; Sequence 11, Application US/10643465
; Publication No. US20040077840A1
; GENERAL INFORMATION:
; APPLICANT: Granoff, Dan M.
; APPLICANT: Moe, Gregory R.
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE
; FILE REFERENCE: 1238.002
; CURRENT APPLICATION NUMBER: US/10/643,465
; CURRENT FILING DATE: 2003-08-19
; PRIOR FILING DATE: 1997-08-27
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence from
; OTHER INFORMATION: a phage display peptide library
US-10-643-465-11

Query Match      38.3%; Score 31; DB 16; Length 8;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      8 YQNPAWK 15
      |||
      1 YQGPLGWR 8

RESULT 9
US-10-300-694A-53
; Sequence 53, Application US/10300694A
; Publication No. US20030185870A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Grinstaff, Mark W.
; APPLICANT: Kenan, Daniel J.
; APPLICANT: Walsh, Elisabeth B.
; APPLICANT: Middleton, Crystan
; TITLE OF INVENTION: INTERFACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT APPLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-05-07
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 53
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Stainless steel-binding peptide 53
US-10-300-694A-53

Query Match      38.3%; Score 31; DB 14; Length 13;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY      2 DGIIRAYQNP 11
      |||
      1 DGFFILYKNP 10

RESULT 10
US-10-300-694A-60
; Sequence 60, Application US/10300694A
; Publication No. US20030185870A1
; GENERAL INFORMATION:
; APPLICANT: Duke University

```

```

; APPLICANT: Grinstead, Mark W.
; APPLICANT: Kenan, Daniel J.
; APPLICANT: Walsh, Elisabeth B.
; APPLICANT: Middleton, Crystan
; TITLE OF INVENTION: INTERFACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT APPLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-05-07
; PRIOR APPLICATION NUMBER: US 60/331,843
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 60
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Stainless steel-binding peptide 60
US-10-300-694A-60

Query Match      38.3%; Score 31; DB 14; Length 13;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY      2 DGIIAAYQNP 11
Db      1 DGFILYKNP 10

RESULT 11
US-10-354-240-99
; Sequence 99, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daijiki, Kazuo
; APPLICANT: Iwama, Akiyo
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 99
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC.FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 16
US-10-354-240-99

Query Match      38.3%; Score 31; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 PASWK 15
Db      1 PASWK 5

RESULT 12
US-09-894-967A-54
; Sequence 54, Application US/09894967A
; Patent No. US20020156235A1
; GENERAL INFORMATION:

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; APPLICANT: Kavanaugh, William M.
; APPLICANT: Williams, Lewis T.
; TITLE OF INVENTION: Binding Sites for Phosphotyrosine
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/09/894,967A
; APPLICATION NUMBER: US 09/894,967A
; FILING DATE: 15-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/423,646
; FILING DATE: 14-Apr-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Serafini, Andrew T.
; REGISTRATION NUMBER: 41,303
; REFERENCE/DOCKET NUMBER: 2307K-059110
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(7)
; OTHER INFORMATION: /note="Xaa is phosphotyrosine."
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-894-967A-54

Query Match      35.8%; Score 29; DB 9; Length 13;
Best Local Similarity 50.0%; Pred. No. 4.2e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      7 AYONPASW 14
Db      1 AFDNPDW 8

RESULT 13
US-10-224-999A-3086
; Sequence 3086, Application US/10224999A
; Publication No. US2003017118A1
; GENERAL INFORMATION:
; APPLICANT: Myriad Genetics, Inc.
; APPLICANT: Morham, Scott
; APPLICANT: Zavitz, Keston
; APPLICANT: Hobden, Adrian
; TITLE OF INVENTION: Composition and Method for Treating Viral Infection
; FILE REFERENCE: 5004.01
; CURRENT APPLICATION NUMBER: US/10/224,999A
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: US 60/313,695
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 3484
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3086
; LENGTH: 14

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; TYPE: PRT
; ORGANISM: Human herpesvirus 5
US-10-224-999A-3086

Query Match 35.8%; Score 29; DB 14; Length 14;
Best Local Similarity 80.0%; Pred. No. 4.5e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPASW 14
Db 10 NPANW 14

RESULT 14

US-10-224-999A-3097
; Sequence 3097, Application US/10224999A
; Publication No. US20030171318A1
; GENERAL INFORMATION:
; APPLICANT: Myriad Genetics, Inc.
; APPLICANT: Morham, Scott
; APPLICANT: Zavitz, Kenton
; APPLICANT: Hobden, Adrian
; TITLE OF INVENTION: Composition and Method for Treating Viral Infection
; FILE REFERENCE: 5004.01
; CURRENT APPLICATION NUMBER: US/10/224,999A
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: US 60/313,695
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 3484
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3097
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Human herpesvirus 5
US-10-224-999A-3097

Query Match 35.8%; Score 29; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 4.9e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPASW 14
Db 11 NPANW 15

RESULT 15

US-10-224-999A-3098
; Sequence 3098, Application US/10224999A
; Publication No. US20030171318A1
; GENERAL INFORMATION:
; APPLICANT: Myriad Genetics, Inc.
; APPLICANT: Morham, Scott
; APPLICANT: Zavitz, Kenton
; APPLICANT: Hobden, Adrian
; TITLE OF INVENTION: Composition and Method for Treating Viral Infection
; FILE REFERENCE: 5004.01
; CURRENT APPLICATION NUMBER: US/10/224,999A
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: US 60/313,695
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 3484
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3098
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Human herpesvirus 5
US-10-224-999A-3098

Query Match 35.8%; Score 29; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 4.9e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPASW 14

Db 10 NPANW 14

Search completed: April 29, 2004, 10:34:09
Job time : 30.85 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds

(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-13

Perfect score: 72

Sequence: 1 SAMLVPGSKKFWN 15

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Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189591 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

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17: /cgn2_6/ptcddata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptcddata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	72	100.0	15	14	US-10-354-240-91
2	51	70.8	15	14	Sequence 91, Appl
3	47	65.3	15	14	Sequence 90, Appl
4	30	41.7	9	12	US-10-354-240-90
5	30	41.7	9	15	Sequence 656, Appl
6	30	41.7	12	14	US-10-245-871-656
7	30	41.7	12	14	Sequence 85, Appl
8	29	40.3	10	8	US-09-965-738-1
9	29	40.3	15	12	US-08-854-825-5
10	29	40.3	15	12	Sequence 5, Appl1
11	29	40.3	15	12	Sequence 2624, Ap
12	28	38.9	15	12	Sequence 2864, Ap
13	27	37.5	9	12	Sequence 2931, Ap
14	27	37.5	9	12	Sequence 2637, Ap
15	27	37.5	9	12	Sequence 49, Appl
					Sequence 127, Appl
					Sequence 230, Appl

Sequence 308, App
Sequence 416, App
Sequence 505, App
Sequence 1345, App
Sequence 1488, App
Sequence 1579, App
Sequence 1621, App
Sequence 1668, App
Sequence 1700, App
Sequence 1722, App
Sequence 1868, App
Sequence 1949, App
Sequence 2038, App
Sequence 204, App
Sequence 250, App
Sequence 1136, App
Sequence 57, Appl
Sequence 189, App
Sequence 258, App
Sequence 351, App
Sequence 456, App
Sequence 558, App
Sequence 662, App
Sequence 2390, App
Sequence 2330, App
Sequence 2331, App
Sequence 2436, App
Sequence 2437, App
Sequence 18, Appl
Sequence 132, App

9 12 US-10-013-312-308
9 12 US-10-013-312-416
9 12 US-10-013-312-505
9 12 US-10-013-312-1345
9 12 US-10-013-312-1488
9 12 US-10-013-312-1579
9 12 US-10-013-312-1621
9 12 US-10-013-312-1668
9 12 US-10-013-312-1700
9 12 US-10-013-312-1722
9 12 US-10-013-312-1868
9 12 US-10-013-312-1949
9 12 US-10-013-312-2038
9 15 US-10-285-394-204
10 8 US-08-424-550B-250
10 10 US-09-932-165-1136
10 12 US-10-013-312-57
10 12 US-10-013-312-189
10 12 US-10-013-312-258
10 12 US-10-013-312-351
10 12 US-10-013-312-456
10 12 US-10-013-312-558
10 12 US-10-013-312-662
10 12 US-10-013-312-2090
10 12 US-10-013-312-2330
10 12 US-10-013-312-2331
10 12 US-10-013-312-2436
10 12 US-10-013-312-2437
12 15 US-10-378-173-18
15 10 US-09-791-524-132

ALIGNMENTS

RESULT 1

US-10-354-240-91
; Sequence 91, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: King, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dise
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 91
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 8
US-10-354-240-91

Query Match 100.0%; Score 72; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 3.6e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SAMLVPGSKKFWN 15

Db 1 SAMLVPGSKKFWN 15


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RESULT 2
US-10-354-240-92
; Sequence 92, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103DI
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 92
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: CryJ2 peptide, Figure 2, Row 9
US-10-354-240-92
Query Match 70.8%; Score 51; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 VPGSKKFFVN 15
DB 1 VPGSKKFFVN 10

RESULT 3
US-10-354-240-90
; Sequence 90, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103DI
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 90
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: CryJ2 peptide, Figure 2, Row 7
US-10-354-240-90
Query Match 65.3%; Score 47; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4
US-10-253-286-656
; Sequence 656, Application US/10253286
; Publication No. US20040058881A1
; GENERAL INFORMATION:
; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: II-KEY/ANTIGENIC EPITOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2015
; CURRENT APPLICATION NUMBER: US/10/253,286
; CURRENT FILING DATE: 2003-01-13
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 656
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Bacillus anthracis
US-10-253-286-656
Query Match 41.7%; Score 30; DB 12; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 LVPGSKKFFV 13
DB 1 LVTSNKKFFI 9

RESULT 5
US-10-245-871-656
; Sequence 656, Application US/10245871
; Publication No. US20030235594A1
; GENERAL INFORMATION:
; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: II-KEY/ANTIGENIC EPITOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2013
; CURRENT APPLICATION NUMBER: US/10/245,871
; CURRENT FILING DATE: 2003-01-09
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 656
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Bacillus anthracis
US-10-245-871-656
Query Match 41.7%; Score 30; DB 15; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 LVPGSKKFFV 13
DB 1 LVTSNKKFFI 9

RESULT 6
US-10-293-086-85
; Sequence 85, Application US/10293086
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/ Publication No. US20030134310A1
/ GENERAL INFORMATION:
/ APPLICANT: Cujec, Thomas P.
/ TITLE OF INVENTION: Cellular Kinase Targets and Inhibitors,
/ TITLE OF INVENTION: and Methods for their Use
/ FILE REFERENCE: 50036/048002
/ CURRENT APPLICATION NUMBER: US/10/293,086
/ CURRENT FILING DATE: 2003-03-25
/ PRIOR APPLICATION NUMBER: US 60/337,990
/ PRIOR FILING DATE: 2001-11-13
/ NUMBER OF SEQ ID NOS: 144
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 85
/ LENGTH: 12
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Phenylalanine derivative
US-10-293-086-85

Query Match      41.7%; Score 30; DB 14; Length 12;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      3 MLLVPGSKK 11
DB      4 LFFVFGTK 12

RESULT 7
US-09-965-738-1
/ Sequence 1, Application US/09965738
/ Publication No. US20030143667A1
/ GENERAL INFORMATION:
/ APPLICANT: O'Brien, Timothy
/ TITLE OF INVENTION: Repeat Sequences of the CA125 Gene and Their Use for Diagnostic a
/ TITLE OF INVENTION: Therapeutic Interventions
/ FILE REFERENCE: 40715-258841
/ CURRENT APPLICATION NUMBER: US/09/965,738
/ CURRENT FILING DATE: 2001-09-27
/ PRIOR APPLICATION NUMBER: US 60/284,175
/ PRIOR FILING DATE: 2001-04-17
/ NUMBER OF SEQ ID NOS: 306
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 1
/ LENGTH: 13
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-965-738-1

Query Match      41.7%; Score 30; DB 10; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      7 PGSKKF 12
DB      3 PGSRKF 8

RESULT 8
US-08-854-825-5
/ Sequence 5, Application US/08854825
/ Publication No. US20020115061A1
/ GENERAL INFORMATION:
/ APPLICANT: Chisari, Francis V.
/ APPLICANT: Cerny, Andreas
/ TITLE OF INVENTION: PEPTIDES FOR INDUCING CYTOTOXIC T
/ TITLE OF INVENTION: LYMPHOCYTE RESPONSES TO HEPATITIS C VIRUS
/ NUMBER OF SEQUENCES: 55
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Leydig, Voit & Mayer
/ STREET: Two Prudential Plaza, Suite 4900
/ CITY: Chicago
```

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/ STATE: IL
/ COUNTRY: USA
/ ZIP: 60601
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/854,825
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Silver, Donald J.
/ REGISTRATION NUMBER: 37552
/ REFERENCE/DOCKET NUMBER: 61230
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (312) 616-5600
/ TELEFAX: (312) 616-5700
/ TELEX: 25-3533
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 10 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: unknown
/ MOLECULE TYPE: peptide
US-08-854-825-5

Query Match      40.3%; Score 29; DB 8; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      4 LLVPGSKKFV 13
DB      1 LLAPGAKQNV 10

RESULT 9
US-10-013-312-2624
/ Sequence 2624, Application US/10013312
/ Publication No. US2003023990A1
/ GENERAL INFORMATION:
/ APPLICANT: RAITANO, ARTHUR
/ APPLICANT: CHALLITA-EID, PIA
/ APPLICANT: PARIS, MARY
/ APPLICANT: HUBERT, RENE
/ APPLICANT: GE, WANGMAO
/ APPLICANT: JAKOBOWITZ, AYA
/ TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED
/ TITLE OF INVENTION: 193P1E1B USEFUL IN TREATMENT AND DETECTION OF CANCER
/ FILE REFERENCE: 51158-20063.00
/ CURRENT APPLICATION NUMBER: US/10/013,312
/ CURRENT FILING DATE: 2002-05-30
/ NUMBER OF SEQ ID NOS: 3005
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 2624
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-013-312-2624

Query Match      40.3%; Score 29; DB 12; Length 15;
Best Local Similarity 50.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      2 AMLLVPGSKKFV 13
DB      3 AIKAVPPSKRFL 14

RESULT 10
US-10-013-312-2864
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; Sequence 2864, Application US/10013312
 ; Publication No. US20030223990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: RAITANO, ARTHUR
 ; APPLICANT: CHALLITA-EID, PIA
 ; APPLICANT: PARIS, MARY
 ; APPLICANT: HUBERT, RENE
 ; APPLICANT: GE, WANGMAO
 ; APPLICANT: JAKOBOVITZ, AYA
 ; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED
 ; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER
 ; CURRENT APPLICATION NUMBER: US/10/013,312
 ; CURRENT FILING DATE: 2002-05-30
 ; NUMBER OF SEQ ID NOS: 3005
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 2864
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-013-312-2864

Query Match 40.3%; Score 29; DB 12; Length 15;
 Best Local Similarity 50.0%; Pred. No. 2.3e+02;
 Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 AMLVPGSKKFV 13
 : : : : :
 Db 3 AIKAVPPSKRFL 14

RESULT 11
 US-10-013-312-2931
 ; Sequence 2931, Application US/10013312
 ; Publication No. US20030223990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: RAITANO, ARTHUR
 ; APPLICANT: CHALLITA-EID, PIA
 ; APPLICANT: PARIS, MARY
 ; APPLICANT: HUBERT, RENE
 ; APPLICANT: GE, WANGMAO
 ; APPLICANT: JAKOBOVITZ, AYA
 ; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED
 ; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER
 ; CURRENT APPLICATION NUMBER: US/10/013,312
 ; CURRENT FILING DATE: 2002-05-30
 ; NUMBER OF SEQ ID NOS: 3005
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 2931
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-013-312-2931

Query Match 40.3%; Score 29; DB 12; Length 15;
 Best Local Similarity 50.0%; Pred. No. 2.3e+02;
 Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 AMLVPGSKKFV 13
 : : : : :
 Db 3 AIKAVPPSKRFL 14

RESULT 12
 US-10-013-312-2637
 ; Sequence 2637, Application US/10013312
 ; Publication No. US20030223990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: RAITANO, ARTHUR
 ; APPLICANT: CHALLITA-EID, PIA
 ; APPLICANT: PARIS, MARY
 ; APPLICANT: HUBERT, RENE

; APPLICANT: GE, WANGMAO
 ; APPLICANT: JAKOBOVITZ, AYA
 ; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED
 ; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER
 ; CURRENT APPLICATION NUMBER: US/10/013,312
 ; CURRENT FILING DATE: 2002-05-30
 ; NUMBER OF SEQ ID NOS: 3005
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 2637
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-013-312-2637

Query Match 38.9%; Score 28; DB 12; Length 15;
 Best Local Similarity 54.5%; Pred. No. 3.5e+02;
 Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 AMLVPGSKKF 12
 : : : : :
 Db 5 AIKAVPPSKRF 15

RESULT 13
 US-10-013-312-49
 ; Sequence 49, Application US/10013312
 ; Publication No. US20030223990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: RAITANO, ARTHUR
 ; APPLICANT: CHALLITA-EID, PIA
 ; APPLICANT: PARIS, MARY
 ; APPLICANT: HUBERT, RENE
 ; APPLICANT: GE, WANGMAO
 ; APPLICANT: JAKOBOVITZ, AYA
 ; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED
 ; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER
 ; CURRENT APPLICATION NUMBER: US/10/013,312
 ; CURRENT FILING DATE: 2002-05-30
 ; NUMBER OF SEQ ID NOS: 3005
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 49
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-013-312-49

Query Match 37.5%; Score 27; DB 12; Length 9;
 Best Local Similarity 62.5%; Pred. No. 1e+06;
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 6 VPGSKKFV 13
 : : : : :
 Db 1 VPSPKRF 8

RESULT 14
 US-10-013-312-127
 ; Sequence 127, Application US/10013312
 ; Publication No. US20030223990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: RAITANO, ARTHUR
 ; APPLICANT: CHALLITA-EID, PIA
 ; APPLICANT: PARIS, MARY
 ; APPLICANT: HUBERT, RENE
 ; APPLICANT: GE, WANGMAO
 ; APPLICANT: JAKOBOVITZ, AYA
 ; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED
 ; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER
 ; CURRENT APPLICATION NUMBER: US/10/013,312
 ; CURRENT FILING DATE: 2002-05-30

; NUMBER OF SEQ ID NOS: 3005
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 127
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-013-312-127

Query Match 37.5%; Score 27; DB 12; Length 9;
Best Local Similarity 62.5%; Pred. No. le+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 6 VPGSKKFV 13
|||
Db 2 VPPSKRFL 9

RESULT 15
US-10-013-312-230
; Sequence 230 Application US/10013312
; Publication No. US20030223990A1
; GENERAL INFORMATION:
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: CHALLITA-BID, PIA
; APPLICANT: FARIS, MARY
; APPLICANT: HUBERT, RENE
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED
; FILE REFERENCE: 51158-20063.00
; CURRENT APPLICATION NUMBER: US/10/013,312
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 3005
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 230
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-013-312-230

Query Match 37.5%; Score 27; DB 12; Length 9;
Best Local Similarity 62.5%; Pred. No. le+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 6 VPGSKKFV 13
|||
Db 1 VPPSKRFL 8

Search completed: April 29, 2004, 10:34:09
Job time : 30.85 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds

(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-12

Perfect score: 87

Sequence: 1 GRXDCTEAFSTAWQA 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/PCUTS_COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	42	48.3	7	3	US-08-467-023-154
2	39	44.8	7	3	US-08-467-023-157
3	34	39.1	15	4	US-09-914-259-86
4	30	34.5	11	1	US-08-277-660A-17
5	30	34.5	11	1	US-08-424-957-30
6	30	34.5	11	3	US-09-035-886-30
7	29	33.3	9	4	US-09-402-641-5
8	29	33.3	11	1	US-08-277-660A-13
9	29	33.3	11	1	US-08-277-660A-20
10	29	33.3	11	1	US-08-424-957-26
11	29	33.3	11	1	US-08-424-957-33
12	29	33.3	11	3	US-09-035-886-26
13	29	33.3	11	3	US-09-035-886-33
14	28	32.2	10	2	US-08-482-528-121
15	28	32.2	10	3	US-08-482-528-121
16	27	31.0	9	1	US-08-318-970B-23
17	27	31.0	10	2	US-08-482-528-109
18	27	31.0	10	3	US-08-482-528-109
19	27	31.0	13	1	US-08-486-840-4
20	27	31.0	13	1	US-08-286-407A-4
21	27	31.0	13	2	US-08-892-544-4
22	26.5	30.5	12	4	US-09-618-259-15
23	26	29.9	10	6	5166318-4
24	26	29.9	10	6	5190919-39
25	26	29.9	11	1	US-08-277-660A-16
26	26	29.9	11	1	US-08-424-957-29
27	26	29.9	11	1	US-08-424-957-36

28	26	29.9	11	1	US-08-424-957-44
29	26	29.9	11	3	US-09-035-886-29
30	26	29.9	11	3	US-09-035-886-36
31	26	29.9	11	3	US-09-035-886-44
32	26	29.9	11	6	5190919-38
33	26	29.9	11	6	5190919-40
34	26	29.9	13	1	US-07-842-089E-13
35	26	29.9	13	1	US-07-842-089E-19
36	26	29.9	13	1	US-08-264-485-13
37	26	29.9	13	1	US-08-264-485-19
38	26	29.9	13	6	5185431-25
39	26	29.9	13	6	5190919-7
40	26	29.9	13	6	5190919-32
41	26	29.9	14	6	5190919-31
42	26	29.9	15	2	US-08-694-579-7
43	26	29.9	15	2	US-08-948-155-7
44	26	29.9	15	3	US-09-280-047-6
45	26	29.9	15	4	US-08-208-573B-6

ALIGNMENTS

RESULT 1
US-08-467-023-154
; Sequence 154, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 154:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-154

Query Match 48.3%; Score 42; DB 3; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 KHDCTEA 8
DB 1 KHDCTEA 7

RESULT 2

US-08-467-023-157
; Sequence 157, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian P.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane B. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 157:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-157
Query Match 44.8%; Score 39; DB 3; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GKHDCT 6
DB 2 GKHDCT 7

RESULT 3

US-09-914-259-86

; Sequence 86, Application US/09914259
; Patent No. 6495336
; GENERAL INFORMATION:
; APPLICANT: Makowski, Lee
; APPLICANT: Hyman, Paul
; APPLICANT: Williams, Mark
; TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
; FILE REFERENCE: 8471-010-999
; CURRENT APPLICATION NUMBER: US/09/914,259
; CURRENT FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 86
; LENGTH: 15
; TYPE: PRI
; ORGANISM: Escherichia coli
; US-09-914-259-86

Query Match 39.1%; Score 34; DB 4; Length 15;
Best Local Similarity 60.0%; Pred. No. 23;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 CTEAPSTAWQ 14
DB 3 CTLAMEDAWQ 12

RESULT 4

US-08-277-660A-17
; Sequence 17, Application US/08277660A
; Patent No. 5702908
; GENERAL INFORMATION:
; APPLICANT: Ficksley, Steven M.
; APPLICANT: Lane, David P.
; TITLE OF INVENTION: Interruption of Binding of MDM2 and p53
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/277,660A
; FILING DATE: 20-JUL-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-60244/WHD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear

US-08-277-660A-17
Query Match 34.5%; Score 30; DB 1; Length 11;
Best Local Similarity 62.5%; Pred. No. 75;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 GKHDCT 6
DB 2 GKHDCT 7

QY 7 EAFSTAWQ 14
Db 3 ETFSDAWK 10

RESULT 5
US-08-424-957-30
; Sequence 30, Application US/08424957
; Patent No. 5770377
; GENERAL INFORMATION:
; APPLICANT: Pickseley, Steven M.
; APPLICANT: Lane, David P.
; TITLE OF INVENTION: Interruption of Binding of MDM2 and p53
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,957
; FILING DATE: 19-APR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/277,660
; FILING DATE: 20-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-61228/WHd
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
US-08-424-957-30

Query Match 34.5%; Score 30; DB 1; Length 11;
Best Local Similarity 62.5%; Pred. No. 75;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14
Db 3 ETFSDAWK 10

RESULT 6
US-09-035-686-30
; Sequence 30, Application US/09035686
; Patent No. 6153391
; GENERAL INFORMATION:
; APPLICANT: Pickseley, Steven M.
; APPLICANT: Lane, David P.
; TITLE OF INVENTION: Interruption of Binding of MDM2 and p53
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400

QY 7 EAFSTAWQ 14
Db 3 ETFSDAWK 10

RESULT 7
US-09-402-641-5
; Sequence 5, Application US/09402641
; Patent No. 6528619
; GENERAL INFORMATION:
; APPLICANT: BUERGLE, Markus
; APPLICANT: GRAEFF, Heinrich
; APPLICANT: KESSLER, Horst
; APPLICANT: MAGDOLEN, Viktor Robert
; APPLICANT: KOENIG, Bernhard
; APPLICANT: KOPBITZ, Marcus
; APPLICANT: RIEMER, Christoph
; APPLICANT: SCHMITT, Manfred
; APPLICANT: WEIDLE, Ulrich
; APPLICANT: WILHELM, Olaf
; TITLE OF INVENTION: INHIBITORS FOR UROKINASE RECEPTOR
; FILE REFERENCE: Case 20367US
; CURRENT APPLICATION NUMBER: US/09/402,641
; CURRENT FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: EP97106024.9
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: PCT/EP98/02178
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

Query Match 34.5%; Score 30; DB 3; Length 11;
Best Local Similarity 62.5%; Pred. No. 75;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14
Db 3 ETFSDAWK 10

RESULT 7
US-09-402-641-5
; Sequence 5, Application US/09402641
; Patent No. 6528619
; GENERAL INFORMATION:
; APPLICANT: BUERGLE, Markus
; APPLICANT: GRAEFF, Heinrich
; APPLICANT: KESSLER, Horst
; APPLICANT: MAGDOLEN, Viktor Robert
; APPLICANT: KOENIG, Bernhard
; APPLICANT: KOPBITZ, Marcus
; APPLICANT: RIEMER, Christoph
; APPLICANT: SCHMITT, Manfred
; APPLICANT: WEIDLE, Ulrich
; APPLICANT: WILHELM, Olaf
; TITLE OF INVENTION: INHIBITORS FOR UROKINASE RECEPTOR
; FILE REFERENCE: Case 20367US
; CURRENT APPLICATION NUMBER: US/09/402,641
; CURRENT FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: EP97106024.9
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: PCT/EP98/02178
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:Peptide 4,
; OTHER INFORMATION: Figure 3B
US-09-402-641-5

Query Match 33.3%; Score 29; DB 4; Length 9;
Best Local Similarity 44.4%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 CTEAFSTAW 13
| : ||| |
DB 1 CNKFSNCW 9

RESULT 8
US-08-277-660A-13
; Sequence 13, Application US/08277660A
; Patent No. 5702908
; GENERAL INFORMATION:
; APPLICANT: Picklesy, Steven M.
; APPLICANT: Lane, David P.
; TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof
; NUMBER OF SEQUENCES: 27

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/277,660A
; FILING DATE: 20-JUL-1994

; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-60244/WH/D

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-277-660A-13

Query Match 33.3%; Score 29; DB 1; Length 11;
Best Local Similarity 62.5%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14
| : ||| |
DB 3 EAFSDLWK 10

RESULT 9
US-08-277-660A-20
; Sequence 20, Application US/08277660A
; Patent No. 5702908
; GENERAL INFORMATION:
; APPLICANT: Picklesy, Steven M.
; APPLICANT: Lane, David P.
; TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof

; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/277,660A
; FILING DATE: 20-JUL-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-60244/WH/D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-277-660A-20

Query Match 33.3%; Score 29; DB 1; Length 11;
Best Local Similarity 55.6%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 15
| : ||| |
DB 3 EAFSDLWK 11

RESULT 10
US-08-424-957-26
; Sequence 26, Application US/08424957
; Patent No. 5770377
; GENERAL INFORMATION:
; APPLICANT: Picklesy, Steven M.
; APPLICANT: Lane, David P.
; TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof
; NUMBER OF SEQUENCES: 50

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,957
; FILING DATE: 19-APR-1995

; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/277,660
; FILING DATE: 20-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.

/ REGISTRATION NUMBER: 24,190
/ REFERENCE/DOCKET NUMBER: A-61228/WHD
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 398-3249
/ TELEX: 910 277299
/ INFORMATION FOR SEQ ID NO: 26:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 11 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: unknown
US-08-424-957-26

Query Match 33.3%; Score 29; DB 1; Length 11;
Best Local Similarity 62.5%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14
DB 3 EAFSDLWK 10

RESULT 11
US-08-424-957-33
/ Sequence 33, Application US/08424957
/ Patent No. 5770377
/ GENERAL INFORMATION:
/ APPLICANT: Picksley, Steven M.
/ APPLICANT: Lane, David P.
/ TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
/ TITLE OF INVENTION: Protein and Therapeutic Application Thereof
/ NUMBER OF SEQUENCES: 50
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
/ STREET: Four Embarcadero Center, Suite 3400
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States
/ ZIP: 94111-4187
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/424,957
/ FILING DATE: 19-APR-1995
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/277,660
/ FILING DATE: 20-JUL-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Dreger, Walter H.
/ REGISTRATION NUMBER: 24,190
/ REFERENCE/DOCKET NUMBER: A-61228/WHD
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 398-3249
/ TELEX: 910 277299
/ INFORMATION FOR SEQ ID NO: 33:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 11 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: unknown
US-08-424-957-33

Query Match 33.3%; Score 29; DB 1; Length 11;
Best Local Similarity 55.6%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 7 EAFSTAWQA 15

Db 3 ETFSDLWKA 11

RESULT 12
US-09-035-686-26
/ Sequence 26, Application US/09035686
/ Patent No. 6153391
/ GENERAL INFORMATION:
/ APPLICANT: Picksley, Steven M.
/ APPLICANT: Lane, David P.
/ TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
/ TITLE OF INVENTION: Protein and Therapeutic Application Thereof
/ NUMBER OF SEQUENCES: 50
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
/ STREET: Four Embarcadero Center, Suite 3400
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States
/ ZIP: 94111-4187
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/035,686
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/424,957
/ FILING DATE: 19-APR-1995
/ APPLICATION NUMBER: US 08/277,660
/ FILING DATE: 20-JUL-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Dreger, Walter H.
/ REGISTRATION NUMBER: 24,190
/ REFERENCE/DOCKET NUMBER: A-61228/WHD
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 398-3249
/ TELEX: 910 277299
/ INFORMATION FOR SEQ ID NO: 26:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 11 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: unknown
US-09-035-686-26

Query Match 33.3%; Score 29; DB 3; Length 11;
Best Local Similarity 62.5%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14
DB 3 EAFSDLWK 10

RESULT 13
US-09-035-686-33
/ Sequence 33, Application US/09035686
/ Patent No. 6153391
/ GENERAL INFORMATION:
/ APPLICANT: Picksley, Steven M.
/ APPLICANT: Lane, David P.
/ TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
/ TITLE OF INVENTION: Protein and Therapeutic Application Thereof
/ NUMBER OF SEQUENCES: 50
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
/ STREET: Four Embarcadero Center, Suite 3400

/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States
/ ZIP: 94111-4187
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent in Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/035,686
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/424,957
/ FILING DATE: 19-APR-1995
/ APPLICATION NUMBER: US 08/277,660
/ FILING DATE: 20-JUL-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Dreger, Walter H.
/ REGISTRATION NUMBER: 24,190
/ REFERENCE/DOCKET NUMBER: A-61228/WH/D
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 398-3249
/ TELEX: 910 277299
/ INFORMATION FOR SEQ ID NO: 33:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 11 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: unknown
/ US-09-035-686-33

Query Match 33.3%; Score 29; DB 3; Length 11;
Best Local Similarity 55.6%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 7 EAFSTAWQA 15
| | | | |
Db 3 ETFSDLWKA 11

RESULT 14
US-08-482-228-121
/ Sequence 121, Application US/08482228
/ Patent No. 5968753
/ GENERAL INFORMATION:
/ APPLICANT: Tseng-Law, Janet
/ APPLICANT: Kobori, Joan A.
/ APPLICANT: Al-Abdaly, Fahad A.
/ APPLICANT: Guillermo, Roy
/ APPLICANT: Helgerson, Sam L.
/ APPLICANT: Deans, Robert J.
/ TITLE OF INVENTION: POSITIVE AND POSITIVE/NEGATIVE CELL
/ NUMBER OF SEQUENCES: 215
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Janice Guthrie, Ph.D.
/ STREET: P.O. Box 15210
/ CITY: Irvine
/ STATE: California
/ COUNTRY: USA
/ ZIP: 92713-5210
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent in Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/482,228
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 435

/ ATTORNEY/AGENT INFORMATION:
/ NAME: Guthrie, Janice
/ REGISTRATION NUMBER: 35,170
/ REFERENCE/DOCKET NUMBER: IT-4630CIP3
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (714) 440-5353
/ TELEFAX: (714) 553-1952
/ INFORMATION FOR SEQ ID NO: 121:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 10 amino acids
/ TYPE: amino acid
/ TOPOLOGY: circular
/ MOLECULE TYPE: peptide
/ US-08-482-228-121

Query Match 32.2%; Score 28; DB 2; Length 10;
Best Local Similarity 62.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 4 DCTEAFST 11
| | | | |
Db 1 DCVEQFLT 8

RESULT 15
US-08-482-528-121
/ Sequence 121, Application US/08482528
/ Patent No. 6017719
/ GENERAL INFORMATION:
/ APPLICANT: Tseng-Law, Janet
/ APPLICANT: Kobori, Joan A.
/ APPLICANT: Al-Abdaly, Fahad A.
/ APPLICANT: Guillermo, Roy
/ APPLICANT: Helgerson, Sam L.
/ APPLICANT: Deans, Robert J.
/ TITLE OF INVENTION: POSITIVE AND POSITIVE/NEGATIVE CELL
/ NUMBER OF SEQUENCES: 215
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Janice Guthrie, Ph.D.
/ STREET: P.O. Box 15210
/ CITY: Irvine
/ STATE: California
/ COUNTRY: USA
/ ZIP: 92713-5210
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent in Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/482,528
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Guthrie, Janice
/ REGISTRATION NUMBER: 35,170
/ REFERENCE/DOCKET NUMBER: IT-4630CIP4
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (714) 440-5353
/ TELEFAX: (714) 553-1952
/ INFORMATION FOR SEQ ID NO: 121:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 10 amino acids
/ TYPE: amino acid
/ TOPOLOGY: circular
/ MOLECULE TYPE: peptide
/ US-08-482-528-121

Query Match 32.2%; Score 28; DB 3; Length 10;
Best Local Similarity 62.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 4 DCTEAFST 11
| | | | |
Db 1 DCVEQFLT 8

Search completed: April 29, 2004, 09:27:31
Job time : 11.85 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-12

Perfect score: 87

Sequence: 1 GKHDCTEAFSTAWQA 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 19368

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	87	100.0	15 14 US-10-354-240-87	Sequence 87, Appl
2	58	66.7	15 14 US-10-354-240-86	Sequence 86, Appl
3	53	60.9	15 14 US-10-354-240-88	Sequence 88, Appl
4	34	39.1	15 14 US-10-354-240-85	Sequence 85, Appl
5	34	39.1	15 14 US-10-080-608A-86	Sequence 86, Appl
6	32	36.8	9 12 US-10-398-104-98	Sequence 98, Appl
7	32	36.8	11 12 US-10-398-104-238	Sequence 238, Appl
8	31	35.6	10 12 US-09-842-776A-28	Sequence 28, Appl
9	30	34.5	9 14 US-10-003-983B-14	Sequence 14, Appl
10	30	34.5	10 10 US-09-423-863-7	Sequence 7, Appl
11	30	34.5	10 10 US-09-423-863-8	Sequence 8, Appl
12	30	34.5	14 14 US-10-185-050-189	Sequence 189, Appl
13	29	33.3	9 13 US-10-053-200-5	Sequence 5, Appl
14	29	33.3	10 10 US-09-572-404B-1628	Sequence 1628, Ap
15	29	33.3	14 14 US-10-257-173-1	Sequence 1, Appl

US-10-354-240-89
US-10-350-405-8
US-09-423-863-9
US-09-423-863-10
US-09-423-863-11
US-10-281-478-56
US-09-554-385-391
US-09-910-009A-390
US-09-796-294-15
US-10-461-787-15
US-10-072-419-15
US-10-072-419-15
US-10-072-419-24
US-10-072-419-25
US-10-072-419-30
US-10-286-457-520
US-10-232-884-10
US-10-214-932-82
US-10-072-419-36
US-10-193-651-11
US-09-880-748-3189
US-09-880-748-3190
US-10-293-418-3189
US-10-293-418-3190
US-10-325-694-79
US-10-325-694-80
US-10-325-694-81
US-09-126-559-5
US-09-950-632-6
US-09-952-680A-55

Sequence 89, Appl
Sequence 8, Appl
Sequence 9, Appl
Sequence 10, Appl
Sequence 11, Appl
Sequence 56, Appl
Sequence 331, Appl
Sequence 330, Appl
Sequence 15, Appl
Sequence 4, Appl
Sequence 15, Appl
Sequence 24, Appl
Sequence 25, Appl
Sequence 30, Appl
Sequence 520, Appl
Sequence 10, Appl
Sequence 82, Appl
Sequence 36, Appl
Sequence 11, Appl
Sequence 3189, Ap
Sequence 3190, Ap
Sequence 3189, Ap
Sequence 79, Appl
Sequence 80, Appl
Sequence 81, Appl
Sequence 5, Appl
Sequence 6, Appl
Sequence 55, Appl

ALIGNMENTS

RESULT 1
US-10-354-240-87
; Sequence 87, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Daihiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dise
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JF97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 87
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 4
US-10-354-240-87

Query Match 100.0%; Score 87; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GKHDCTEAFSTAWQA 15

Db 1 GKHDCTEAFSTAWQA 15

```
RESULT 2
US-10-354-240-86
; Sequence 86, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Iwama, Kazuo
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 86
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 3
US-10-354-240-86

Query Match      66.7%; Score 58; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.009;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GKHDCTEAFS 10
DB      6 GKHDCTEAFS 15

RESULT 3
US-10-354-240-88
; Sequence 88, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Kazuo
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 88
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 5
US-10-354-240-88

Query Match      60.9%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.061;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      6 TEAFSTAWQA 15
DB      1 TEAFSTAWQA 10

RESULT 4
US-10-354-240-85
; Sequence 85, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Kazuo
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 85
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 2
US-10-354-240-85

Query Match      39.1%; Score 34; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GKHDHC 5
DB      11 GKHDHC 15

RESULT 5
US-10-080-608A-86
; Sequence 86, Application US/10080608A
; Publication No. US20030198956A1
; GENERAL INFORMATION:
; APPLICANT: Makowski, Lee
; APPLICANT: Hyman, Paul
; APPLICANT: Williams, Mark
; TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
; FILE REFERENCE: 8471-010-999
; CURRENT APPLICATION NUMBER: US/10/080,608A
; CURRENT FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 86
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Escherichia coli
US-10-080-608A-86

Query Match      39.1%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      5 CTEAFSTAWQ 14
DB      3 CTEAFSTAWQ 12
```

```

RESULT 6
US-10-398-104-98
; Sequence 98, Application US/10398104
; Publication No. US20040047880A1
; GENERAL INFORMATION:
; APPLICANT: De Bolle, Xavier Thomas
; APPLICANT: Letesson, Jean-Jacques
; APPLICANT: Lobet, Yves
; APPLICANT: Mertens, Pascal Yvon
; APPLICANT: Poolman, Jan
; APPLICANT: Voet, Pierre
; TITLE OF INVENTION: COMPONENT FOR VACCINE
; FILE REFERENCE: B45242
; CURRENT APPLICATION NUMBER: US/10/398,104
; CURRENT FILING DATE: 2003-01-04
; PRIOR APPLICATION NUMBER: PCT/EP01/11409
; PRIOR FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: GB 0024200.8
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 352
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 98
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LOS peptide mimotope sequence
US-10-398-104-98

Query Match          35.8%; Score 32; DB 12; Length 9;
Best Local Similarity 55.6%; Pred. No. 1.4e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQA 15
    |||||
Db 1 QAFDTSWTA 9

RESULT 7
US-10-398-104-238
; Sequence 238, Application US/10398104
; Publication No. US20040047880A1
; GENERAL INFORMATION:
; APPLICANT: De Bolle, Xavier Thomas
; APPLICANT: Lobet, Yves
; APPLICANT: Letesson, Jean-Jacques
; APPLICANT: Mertens, Pascal Yvon
; APPLICANT: Poolman, Jan
; APPLICANT: Voet, Pierre
; TITLE OF INVENTION: COMPONENT FOR VACCINE
; FILE REFERENCE: B45242
; CURRENT APPLICATION NUMBER: US/10/398,104
; CURRENT FILING DATE: 2003-01-04
; PRIOR APPLICATION NUMBER: PCT/EP01/11409
; PRIOR FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: GB 0024200.8
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 352
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 238
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LOS peptide mimotope sequence
US-10-398-104-238

Query Match          36.8%; Score 32; DB 12; Length 11;
Best Local Similarity 55.6%; Pred. No. 1.4e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQA 15
    |||||
Db 1 QAFDTSWTA 9

RESULT 8
US-09-842-776A-28
; Sequence 28, Application US/09842776A
; Publication No. US20040023316A1
; GENERAL INFORMATION:
; APPLICANT: CONNEX GMBH
; TITLE OF INVENTION: NEW METHOD FOR DETECTING ACID-RESISTANT MICROORGANISMS
; FILE REFERENCE: 41735
; CURRENT APPLICATION NUMBER: US/09/842,776A
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: PCT/EP99/08212
; PRIOR FILING DATE: 1999-10-29
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Complementarity determining region (CDR1) of an
; OTHER INFORMATION: antibody heavy chain directed to a beta-urease
; OTHER INFORMATION: epitope (alternative sequence)
US-09-842-776A-28

Query Match          35.6%; Score 31; DB 12; Length 10;
Best Local Similarity 83.3%; Pred. No. 1.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 8 AFSTAW 13
    |||||
Db 3 AFSTSW 8

RESULT 9
US-10-003-983B-14
; Sequence 14, Application US/10003983B
; Publication No. US20030103946A1
; GENERAL INFORMATION:
; APPLICANT: Imperial College Innovations
; APPLICANT: Stauss, Hans Josef
; APPLICANT: Amrolia, Persis Jal
; TITLE OF INVENTION: Immunotherapeutic Methods and Molecules
; FILE REFERENCE: ICI 103
; CURRENT APPLICATION NUMBER: US/10/003,983B
; CURRENT FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 9
; TYPE: PRT
; ORGANISM: homo sapien
US-10-003-983B-14

Query Match          34.5%; Score 30; DB 14; Length 9;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 3 HDCTE 7
    |||||
Db 4 HDCTQ 8

RESULT 10
US-09-423-863-7
; Sequence 7, Application US/09423863
; Publication No. US20030054336A1
; GENERAL INFORMATION:

```

APPLICANT: Donie, Frederic
APPLICANT: Faatz, Elke
APPLICANT: Hoess, Eva
TITLE OF INVENTION: PROCESS FOR THE DETECTION OF HIV ANTIBODIES AND
FILE REFERENCE: BMID 9974 4638/OP/US-Sz
CURRENT APPLICATION NUMBER: US/09/423,863
CURRENT FILING DATE: 2000-02-08
EARLIER FILING DATE: 1997-05-16
EARLIER FILING DATE: 1997-05-16
EARLIER APPLICATION NUMBER: PCT/EP98/02816
EARLIER FILING DATE: 1998-05-13
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 10
TYPE: PRT
ORGANISM: Human immunodeficiency virus type 1
US-09-423-863-7

Query Match 34.5%; Score 30; DB 10; Length 10;
Best Local Similarity 83.3%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GKHDCT 6
||| ||
Db 3 GKHCT 8

RESULT 11
US-09-423-863-8
Sequence 8, Application US/09423863
Publication No. US20030054336A1
GENERAL INFORMATION:
APPLICANT: Donie, Frederic
APPLICANT: Faatz, Elke
APPLICANT: Hoess, Eva
TITLE OF INVENTION: PROCESS FOR THE DETECTION OF HIV ANTIBODIES AND
FILE REFERENCE: BMID 9974 4638/OP/US-Sz
CURRENT APPLICATION NUMBER: US/09/423,863
CURRENT FILING DATE: 2000-02-08
EARLIER FILING DATE: 1997-05-16
EARLIER FILING DATE: 1997-05-16
EARLIER APPLICATION NUMBER: PCT/EP98/02816
EARLIER FILING DATE: 1998-05-13
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 8
LENGTH: 10
TYPE: PRT
ORGANISM: Human immunodeficiency virus type 1
US-09-423-863-8

Query Match 34.5%; Score 30; DB 10; Length 10;
Best Local Similarity 83.3%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GKHDCT 6
||| ||
Db 3 GKHCT 8

RESULT 12
US-10-185-050-189
Sequence 189, Application US/10185050
Publication No. US2003007577A1
GENERAL INFORMATION:
APPLICANT: Pirozzi, Gregorio
Kay, Brian K.
Fowlkes, Dana M.
TITLE OF INVENTION: IDENTIFICATION AND ISOLATION OF NOVEL
POLYPEPTIDES HAVING WW DOMAINS AND METHODS OF USING SAME

NUMBER OF SEQUENCES: 233
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/185,050
FILING DATE: 28-Jun-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/826,516
FILING DATE: 03-Apr-1997
ATTORNEY/AGENT INFORMATION:
NAME: MISROCK, S. LESLIE
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-208-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 896-8864/9741
TELE: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 189:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: unknown
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 189:
US-10-185-050-189

Query Match 34.5%; Score 30; DB 14; Length 14;
Best Local Similarity 38.5%; Pred. No. 3.7e+02;
Matches 5; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 GKHDCTEAFSTAW 13
||| ||
Db 1 GAHDSPPPYRYW 13

RESULT 13
US-10-053-200-5
Sequence 5, Application US/10053200
Publication No. US20020170088A1
GENERAL INFORMATION:
APPLICANT: Wilkins, Thea A.
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: No. US20020170088A1e1 Auxin Binding Proteins and Uses Thereof
FILE REFERENCE: 023070-083310US
CURRENT APPLICATION NUMBER: US/10/053,200
CURRENT FILING DATE: 2001-11-02
PRIOR FILING DATE: 2000-11-03
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 9
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: highly
conserved region of ABP sequence
US-10-053-200-5

Query Match 33.3%; Score 29; DB 13; Length 9;
Best Local Similarity 50.0%; Pred. No. 1e+06;

Matches	4;	Conservative	1;	Mismatches	3;	Indels	0;	Gaps	0;
QY	2	KHDCTEAF 9							
		: : :							
Db	2	RHSCEVF 9							

RESULT 14
US-09-572-404B-1628
; Sequence 1628, Application US/09572404B
; Publication No. US20030078374A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands from the human genome
; FILE REFERENCE: Human patent
; CURRENT APPLICATION NUMBER: US/09/572,404B
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 4203
; SOFTWARE: ProtPatent version 1.0
; SEQ ID NO 1628
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: sequence located in NELL2 OR NRP2 at 101-110 and may interact with
; OTHER INFORMATION: Sequence 1627 in this patent.
US-09-572-404B-1628

Query Match 33.3%; Score 29; DB 10; Length 10;
Best Local Similarity 57.1%; Pred. No. 3.9e+02;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY	1	GKHDCTE 7							
		: :							
Db	1	GQHCNDE 7							

RESULT 15
US-10-257-173-1
; Sequence 1, Application US/10257173
; Publication No. US20030144237A1
; GENERAL INFORMATION:
; APPLICANT: D. Collen Research Foundation VZW
; APPLICANT: Collen, D, sir,
; APPLICANT: Carmeliet, Peter
; APPLICANT: Anne, Angelillo-Scherer
; TITLE OF INVENTION: Use of inhibition of a Gas6 function or of a Gas6
; TITLE OF INVENTION: receptor for preventing and treating a cardiovascular
; TITLE OF INVENTION: disease
; FILE REFERENCE: C1784-PC1
; CURRENT APPLICATION NUMBER: US/10/257,173
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: GB 0009321,1
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: EP 00203668,9
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: US 60/242,540
; PRIOR FILING DATE: 2000-10-23
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(14)
; OTHER INFORMATION: fragment of human Axl receptor tyrosine kinase NP_068713
; OTHER INFORMATION: (amino acids 438-451)
US-10-257-173-1

Query Match 33.3%; Score 29; DB 14; Length 14;
Best Local Similarity 50.0%; Pred. No. 5.4e+02;

Search completed: April 29, 2004, 10:34:09
Job time : 30.85 secs

Matches	6;	Conservative	0;	Mismatches	6;	Indels	0;	Gaps	0;
QY	2	KHDCTEAFSTAW 13							
		: : :							
Db	2	KEPSTPAFSWPM 13							

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-10

Perfect score: 78

Sequence: 1 AFVNGNATPQLTK 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

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- 2: /cgn2_6/ptodata/2/iaa/5B COMB.pdp.*
- 3: /cgn2_6/ptodata/2/iaa/6A COMB.pdp.*
- 4: /cgn2_6/ptodata/2/iaa/6B COMB.pdp.*
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- 6: /cgn2_6/ptodata/2/iaa/backfiles.pdp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	31	39.7	9	2	US-08-340-283-64
2	30	38.5	7	4	US-09-187-859-178
3	30	38.5	7	4	US-09-187-859-1298
4	30	38.5	7	4	US-09-839-542B-178
5	30	38.5	7	4	US-09-839-542B-1298
6	30	38.5	8	4	US-09-187-859-179
7	30	38.5	8	4	US-09-187-859-181
8	30	38.5	8	4	US-09-187-859-1299
9	30	38.5	8	4	US-09-187-859-1301
10	30	38.5	8	4	US-09-839-542B-179
11	30	38.5	8	4	US-09-839-542B-181
12	30	38.5	8	4	US-09-839-542B-1299
13	30	38.5	8	4	US-09-839-542B-1301
14	30	38.5	9	4	US-09-187-859-182
15	30	38.5	9	4	US-09-187-859-1089
16	30	38.5	9	4	US-09-187-859-1133
17	30	38.5	9	4	US-09-187-859-1177
18	30	38.5	9	4	US-09-187-859-1219
19	30	38.5	9	4	US-09-187-859-1264
20	30	38.5	9	4	US-09-187-859-1302
21	30	38.5	9	4	US-09-839-542B-182
22	30	38.5	9	4	US-09-839-542B-1089
23	30	38.5	9	4	US-09-839-542B-1133
24	30	38.5	9	4	US-09-839-542B-1177
25	30	38.5	9	4	US-09-839-542B-1219
26	30	38.5	9	4	US-09-839-542B-1264
27	30	38.5	9	4	US-09-839-542B-1302

28 30 38.5 9 4 US-09-535-852-374 Sequence 374, App
29 30 38.5 10 4 US-09-187-859-1090 Sequence 1090, App
30 30 38.5 10 4 US-09-187-859-1092 Sequence 1092, App
31 30 38.5 10 4 US-09-187-859-1134 Sequence 1134, App
32 30 38.5 10 4 US-09-187-859-1136 Sequence 1136, App
33 30 38.5 10 4 US-09-187-859-1178 Sequence 1178, App
34 30 38.5 10 4 US-09-187-859-1180 Sequence 1180, App
35 30 38.5 10 4 US-09-187-859-1220 Sequence 1220, App
36 30 38.5 10 4 US-09-187-859-1222 Sequence 1222, App
37 30 38.5 10 4 US-09-187-859-1265 Sequence 1265, App
38 30 38.5 10 4 US-09-187-859-1267 Sequence 1267, App
39 30 38.5 10 4 US-09-839-542B-1090 Sequence 1090, App
40 30 38.5 10 4 US-09-839-542B-1092 Sequence 1092, App
41 30 38.5 10 4 US-09-839-542B-1134 Sequence 1134, App
42 30 38.5 10 4 US-09-839-542B-1136 Sequence 1136, App
43 30 38.5 10 4 US-09-839-542B-1178 Sequence 1178, App
44 30 38.5 10 4 US-09-839-542B-1180 Sequence 1180, App
45 30 38.5 10 4 US-09-839-542B-1220 Sequence 1220, App

ALIGNMENTS

RESULT 1
US-08-340-283-64
; Sequence 64, Application US/08340283
; Patent No. 5861318
; GENERAL INFORMATION:
; APPLICANT: Elhammer, Ake P.
; TITLE OF INVENTION: A SCINTILLATION PROXIMITY ASSAY FOR
; NUMBER OF SEQUENCES: 205
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacia and Upjohn, Inc., Intellect. Prop. Law
; ADDRESS: (1920-32-1)
; STREET: 301 Henrietta Street
; CITY: Kalamazoo
; STATE: Michigan
; COUNTRY: U.S.A.
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,283
; FILING DATE:
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: Wootton, Thomas A.
; REGISTRATION NUMBER: 35,004
; REFERENCE/DOCKET NUMBER: 4828
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (616) 385-7914
; TELEFAX: (616) 385-6897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 64:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
US-08-340-283-64

Query Match 39.7%; Score 31; DB 2; Length 9;
Best Local Similarity 66.7%; Pred. No. 3e+05; 2; Indels 0;
Matches 6; Conservative 1; Mismatches 0; Gaps 0;

QY	4 VENGNAATQ 12 : Db 1 VPGGSATQ 9
RESULT 2 US-09-187-859-178 ; Sequence 178, Application US/09187859A ; Patent No. 6358920 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Symonds, James Matthew ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407D1 ; CURRENT APPLICATION NUMBER: US/09/187,859A ; CURRENT FILING DATE: 1998-11-06 ; NUMBER OF SEQ ID NOS: 4052 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 178 ; LENGTH: 7 ; TYPE: PRT ; ORGANISM: Artificial Sequence ; FEATURE: ; OTHER INFORMATION: Representative linear modulating agent based on ; cadherin-6 cell adhesion recognition sequence US-09-187-859-178	
Query Match 38.5%; Score 30; DB 4; Length 7; Best Local Similarity 57.1%; Pred. No. 3e+05; Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;	
QY	2 FNVENGN 8 : Db 1 FNIDSGN 7
RESULT 3 US-09-187-859-1298 ; Sequence 1298, Application US/09187859A ; Patent No. 6358920 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Symonds, James Matthew ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407C1 ; CURRENT APPLICATION NUMBER: US/09/187,859A ; CURRENT FILING DATE: 1998-11-06 ; NUMBER OF SEQ ID NOS: 4052 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 1298 ; LENGTH: 7 ; TYPE: PRT ; ORGANISM: Artificial Sequence ; FEATURE: ; OTHER INFORMATION: Representative cyclic modulating agent based on ; cadherin-6 cell adhesion recognition sequence US-09-187-859-1298	
Query Match 38.5%; Score 30; DB 4; Length 7; Best Local Similarity 57.1%; Pred. No. 3e+05; Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;	
QY	2 FNVENGN 8 : Db 1 FNIDSGN 7
RESULT 4 US-09-839-542B-178 ; Sequence 178, Application US/09839542B ; Patent No. 6569996 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Symonds, James Matthew ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407C1 ; CURRENT APPLICATION NUMBER: US/09/839,542B ; CURRENT FILING DATE: 2001-04-20 ; NUMBER OF SEQ ID NOS: 4052 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 178 ; LENGTH: 7 ; TYPE: PRT ; ORGANISM: Artificial Sequence ; FEATURE: ; OTHER INFORMATION: Representative cyclic modulating agent based on ; cadherin-6 cell adhesion recognition sequence US-09-839-542B-178	
Query Match 38.5%; Score 30; DB 4; Length 7; Best Local Similarity 57.1%; Pred. No. 3e+05; Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;	
QY	2 FNVENGN 8 : Db 1 FNIDSGN 7
RESULT 5 US-09-839-542B-1298 ; Sequence 1298, Application US/09839542B ; Patent No. 6569996 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Symonds, James Matthew ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407D1 ; CURRENT APPLICATION NUMBER: US/09/839,542B ; CURRENT FILING DATE: 2001-04-20 ; NUMBER OF SEQ ID NOS: 4052 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 1298 ; LENGTH: 7 ; TYPE: PRT ; ORGANISM: Artificial Sequence ; FEATURE: ; OTHER INFORMATION: Representative cyclic modulating agent based on ; cadherin-6 cell adhesion recognition sequence US-09-839-542B-1298	
Query Match 38.5%; Score 30; DB 4; Length 7; Best Local Similarity 57.1%; Pred. No. 3e+05; Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;	
QY	2 FNVENGN 8 : Db 1 FNIDSGN 7
RESULT 6 US-09-187-859-179 ; Sequence 179, Application US/09187859A ; Patent No. 6358920 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407C1 ; CURRENT APPLICATION NUMBER: US/09/187,859A US-09-187-859-179	
Query Match 38.5%; Score 30; DB 4; Length 7; Best Local Similarity 57.1%; Pred. No. 3e+05; Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;	
QY	2 FNVENGN 8 : Db 1 FNIDSGN 7
RESULT 7 US-09-839-542B-178 ; Sequence 178, Application US/09839542B ; Patent No. 6569996 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Symonds, James Matthew ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407C1 ; CURRENT APPLICATION NUMBER: US/09/839,542B ; CURRENT FILING DATE: 2001-04-20 ; NUMBER OF SEQ ID NOS: 4052 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 178 ; LENGTH: 7 ; TYPE: PRT ; ORGANISM: Artificial Sequence ; FEATURE: ; OTHER INFORMATION: Representative linear modulating agent based on ; cadherin-6 cell adhesion recognition sequence US-09-839-542B-178	
Query Match 38.5%; Score 30; DB 4; Length 7; Best Local Similarity 57.1%; Pred. No. 3e+05; Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;	
QY	2 FNVENGN 8 : Db 1 FNIDSGN 7
RESULT 8 US-09-839-542B-1298 ; Sequence 1298, Application US/09839542B ; Patent No. 6569996 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Symonds, James Matthew ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407D1 ; CURRENT APPLICATION NUMBER: US/09/839,542B ; CURRENT FILING DATE: 2001-04-20 ; NUMBER OF SEQ ID NOS: 4052 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 1298 ; LENGTH: 7 ; TYPE: PRT ; ORGANISM: Artificial Sequence ; FEATURE: ; OTHER INFORMATION: Representative linear modulating agent based on ; cadherin-6 cell adhesion recognition sequence US-09-839-542B-1298	
Query Match 38.5%; Score 30; DB 4; Length 7; Best Local Similarity 57.1%; Pred. No. 3e+05; Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;	
QY	2 FNVENGN 8 : Db 1 FNIDSGN 7
RESULT 9 US-09-187-859-178 ; Sequence 178, Application US/09187859A ; Patent No. 6358920 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Symonds, James Matthew ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407C1 ; CURRENT APPLICATION NUMBER: US/09/187,859A ; CURRENT FILING DATE: 1998-11-06 ; NUMBER OF SEQ ID NOS: 4052 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 178 ; LENGTH: 7 ; TYPE: PRT ; ORGANISM: Artificial Sequence ; FEATURE: ; OTHER INFORMATION: Representative linear modulating agent based on ; cadherin-6 cell adhesion recognition sequence US-09-187-859-178	
Query Match 38.5%; Score 30; DB 4; Length 7; Best Local Similarity 57.1%; Pred. No. 3e+05; Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;	
QY	2 FNVENGN 8 : Db 1 FNIDSGN 7
RESULT 10 US-09-839-542B-178 ; Sequence 178, Application US/09839542B ; Patent No. 6569996 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Symonds, James Matthew ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407C1 ; CURRENT APPLICATION NUMBER: US/09/839,542B ; CURRENT FILING DATE: 2001-04-20 ; NUMBER OF SEQ ID NOS: 4052 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 178 ; LENGTH: 7 ; TYPE: PRT ; ORGANISM: Artificial Sequence ; FEATURE: ; OTHER INFORMATION: Representative linear modulating agent based on ; cadherin-6 cell adhesion recognition sequence US-09-839-542B-178	
Query Match 38.5%; Score 30; DB 4; Length 7; Best Local Similarity 57.1%; Pred. No. 3e+05; Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;	
QY	2 FNVENGN 8 : Db 1 FNIDSGN 7
RESULT 11 US-09-839-542B-1298 ; Sequence 1298, Application US/09839542B ; Patent No. 6569996 ; GENERAL INFORMATION: ; APPLICANT: Blaschuk, Orest W. ; APPLICANT: Symonds, James Matthew ; APPLICANT: Gour, Barbara J. ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL ; FILE REFERENCE: 100086.407D1 ; CURRENT APPLICATION NUMBER: US/09/839,542B ; CURRENT FILING DATE: 2001-04-20 ; NUMBER OF SEQ ID NOS: 4052 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 1298 ; LENGTH: 7 ; TYPE: PRT ; ORGANISM: Artificial Sequence ; FEATURE: ; OTHER INFORMATION: Representative linear modulating agent based on ; cadherin-6 cell adhesion recognition sequence US-09-839-542B-1298	
Query Match 38.5%; Score 30; DB 4; Length 7;	

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; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 179
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-179

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
        ||::||
DB      1 FNIDSG 7

RESULT 7
US-09-187-859-181
; Sequence 181, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 181
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-181

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
        ||::||
DB      1 FNIDSG 7

RESULT 8
US-09-187-859-1299
; Sequence 1299, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1299
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-1299

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
        ||::||
DB      2 FNIDSG 8

RESULT 9
US-09-187-859-1301
; Sequence 1301, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1301
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-1301

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
        ||::||
DB      2 FNIDSG 8

RESULT 10
US-09-839-542B-179
; Sequence 179, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 179
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-179

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
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Db      1 FNIDSGN 7
||:||||
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-181

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0;

Qy      2 FNVENGN 8
||:||||
Db      2 FNIDSGN 8

RESULT 12
US-09-839-542B-1299
; Sequence 1299, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1299
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-1299

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0;

Qy      2 FNVENGN 8
||:||||
Db      2 FNIDSGN 8

RESULT 13
US-09-839-542B-1301
; Sequence 1301, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1301
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-1301

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0;

Qy      2 FNVENGN 8
||:||||
Db      1 FNIDSGN 7

RESULT 14
US-09-187-859-182
; Sequence 182, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 182
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-182

Query Match      38.5%; Score 30; DB 4; Length 9;
Best Local Similarity 57.1%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0;

Qy      2 FNVENGN 8
||:||||
Db      2 FNIDSGN 8

RESULT 15
US-09-187-859-1089
; Sequence 1089, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1089
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-1089

Query Match      38.5%; Score 30; DB 4; Length 9;
Best Local Similarity 57.1%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0;

Qy      2 FNVENGN 8
||:||||
Db      2 FNIDSGN 8
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; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1089
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-1089

Query Match      38.5%; Score 30; DB 4; Length 9;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy      2 FNVENGN 8
      ||::||
Db      2 FNIDSGN 8

Search completed: April 29, 2004, 09:27:31
Job time : 12.85 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments) 134.776 Million cell updates/sec

Title: US-09-308-027A-10

perfect score: 78

Sequence: 1 AFNVENGNA TPQLTK 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581

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Minimum DB seed length: 0

Maximum DB seq length: 15

Best-processing: Minimum Match 0%

Post-processing: Minimum Match 0%
Maximum Match 100%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*

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- 2: /cgn2_6/pdata/2/pubpaa/PCT NEW PUB pep:*
- 3: /cgn2_6/pdata/2/pubpaa/US06 NEW PUB pep:*
- 4: /cgn2_6/pdata/2/pubpaa/US06 PUBCOMB pep:*
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- 12: /cgn2_6/pdata/2/pubpaa/US09 NEW PUB pep:*
- 13: /cgn2_6/pdata/2/pubpaa/US10A PUBCOMB pep:*
- 14: /cgn2_6/pdata/2/pubpaa/US10B PUBCOMB pep:*
- 15: /cgn2_6/pdata/2/pubpaa/US10C PUBCOMB pep:*
- 16: /cgn2_6/pdata/2/pubpaa/US10 NEW PUB pep:*
- 17: /cgn2_6/pdata/2/pubpaa/US60 NEW PUB pep:*
- 18: /cgn2_6/pdata/2/pubpaa/US60 PUBCOMB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	78	100.0	15	14	US-10-354-240-80	Sequence 80, Appl
2	53	67.9	15	14	US-10-354-240-81	Sequence 81, Appl
3	52	66.7	15	14	US-10-354-240-79	Sequence 79, Appl
4	30	38.5	7	14	US-10-006-869-178	Sequence 178, App
5	30	38.5	7	14	US-10-006-869-1298	Sequence 1298, Ap
6	30	38.5	7	15	US-10-395-032-178	Sequence 178, App
7	30	38.5	7	15	US-10-395-032-1298	Sequence 1288, Ap
8	30	38.5	8	14	US-10-006-869-179	Sequence 179, App
9	30	38.5	8	14	US-10-006-869-181	Sequence 181, App
10	30	38.5	8	14	US-10-006-869-1299	Sequence 1299, Ap
11	30	38.5	8	14	US-10-006-869-1301	Sequence 1301, Ap
12	30	38.5	8	14	US-10-205-110-20	Sequence 20, Appl
13	30	38.5	8	15	US-10-395-032-179	Sequence 179, App
14	30	38.5	8	15	US-10-395-032-181	Sequence 181, App
15	30	38.5	8	15	US-10-395-032-1299	Sequence 1299, Ap

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RESULT 2
US-10-354-240-81
; Sequence 81, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 81
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 67
US-10-354-240-81

Query Match          67.9%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 NGNATPQLTK 15
DB      1 NGNATPQLTK 10

RESULT 3
US-10-354-240-79
; Sequence 79, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 65
US-10-354-240-79

Query Match          66.7%; Score 52; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 AFVNGNAT 10
DB      6 AFVNGNAT 15

RESULT 4
US-10-006-869-178
; Sequence 178, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-178

Query Match          38.5%; Score 30; DB 14; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVNGN 8
DB      1 FNIDSGN 7

RESULT 5
US-10-006-869-1298
; Sequence 1298, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1298
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-1298

Query Match          38.5%; Score 30; DB 14; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVNGN 8
DB      1 FNIDSGN 7

RESULT 6
US-10-006-869-1298
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US-10-395-032-178
; Sequence 178, Application US/10395032
; Publication No. US20030229199A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/395,032
; CURRENT FILING DATE: 2003-03-21
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-395-032-178

Query Match      38.5%; Score 30; DB 15; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
Db      1 FNIDSG 7

RESULT 7
US-10-395-032-1298
; Sequence 1298, Application US/10395032
; Publication No. US20030229199A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/395,032
; CURRENT FILING DATE: 2003-03-21
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1298
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-395-032-1298

Query Match      38.5%; Score 30; DB 15; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
Db      1 FNIDSG 7

RESULT 8
US-10-006-869-179
; Sequence 179, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0

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; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 179
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-179

Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
Db      1 FNIDSG 7

RESULT 9
US-10-006-869-181
; Sequence 181, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-181

Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
Db      2 FNIDSG 8

RESULT 10
US-10-006-869-1299
; Sequence 1299, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0

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; SEQ ID NO 1299
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-1299

Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENGN 8
Db      1 FNIDSGN 7

RESULT 11
US-10-006-869-1301
; Sequence 1301, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1301
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-1301

Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENGN 8
Db      2 FNIDSGN 8

RESULT 12
US-10-205-110-20
; Sequence 20, Application US/10205110
; Publication No. US20030144471A1
; GENERAL INFORMATION:
; APPLICANT: Jonassen, Ib
; APPLICANT: Egel-Mitani, Michi
; APPLICANT: Balschmidt, Per
; APPLICANT: Markussen, Jan
; APPLICANT: Diers, Ivan
; APPLICANT: Kjeldsen, Thomas Borglum
; TITLE OF INVENTION: Method for Making Acylated Polypeptides
; FILE REFERENCE: 6289.200-US
; CURRENT APPLICATION NUMBER: US/10/205,110
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: PA 2001 01141
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/310,793
; PRIOR FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
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; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-205-110-20

Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 52.5%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      5 ENGNTAPQ 12
Db      1 EGGNTTPK 8

RESULT 13
US-10-395-032-179
; Sequence 179, Application US/10395032
; Publication No. US20030229199A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/395,032
; CURRENT FILING DATE: 2003-03-21
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 179
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-395-032-179

Query Match      38.5%; Score 30; DB 15; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENGN 8
Db      1 FNIDSGN 7

RESULT 14
US-10-395-032-181
; Sequence 181, Application US/10395032
; Publication No. US20030229199A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/395,032
; CURRENT FILING DATE: 2003-03-21
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-395-032-181
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Query Match 38.5%; Score 30; DB 15; Length 8;
 Best Local Similarity 57.1%; Pred. No. 1e+06; 0; Indels 0; Gaps 0;
 Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

CY 2 ENVNGN 8
 ||:|
 Db 2 FNIDSGN 8

RESULT 15

US-10-395-032-1299
 ; Sequence 1299, Application US/10395032
 ; Publication No. US20030229199A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Blaschuk, Orest W.
 ; APPLICANT: Symonds, James Matthew
 ; APPLICANT: Gour, Barbara J.
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
 ; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
 ; FILE REFERENCE: 100086.407C9
 ; CURRENT APPLICATION NUMBER: US/10/395,032
 ; CURRENT FILING DATE: 2003-03-21
 ; NUMBER OF SEQ ID NOS: 4052
 ; SOFTWARE: PatentIn ver. 2.0
 ; SEQ ID NO 1299
 ; LENGTH: 8
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Representative cyclic modulating agent based on
 ; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
 US-10-395-032-1299

Query Match 38.5%; Score 30; DB 15; Length 8;
 Best Local Similarity 57.1%; Pred. No. 1e+06;
 Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

CY 2 ENVNGN 8
 ||:|
 Db 1 FNIDSGN 7

Search completed: April 29, 2004, 10:34:09
 Job time : 31.85 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-9

Perfect score: 76
Sequence: 1 YAGSSNPTILSEG 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	38.2	10	3	US-08-619-557-8
2	29	38.2	15	1	US-08-408-604A-142
3	28	36.8	15	1	US-08-408-604A-136
4	27	35.5	8	2	US-08-340-283-87
5	27	35.5	11	3	US-09-051-934-30
6	27	35.5	11	3	US-09-051-934-42
7	27	35.5	12	3	US-09-051-934-9
8	27	35.5	14	1	US-08-408-604A-135
9	27	35.5	15	1	US-08-408-604A-134
10	27	35.5	15	1	US-08-408-604A-141
11	27	35.5	15	1	US-08-408-604A-143
12	26.5	34.9	11	3	US-09-051-934-5
13	26.5	34.9	11	3	US-09-051-934-44
14	26	34.2	12	1	US-07-743-613-1
15	26	34.2	12	6	5189147-16
16	26	34.2	14	4	US-09-383-062-16
17	26	34.2	15	2	US-08-765-179B-24
18	26	34.2	15	3	US-09-012-097A-19
19	25	32.9	8	1	US-08-148-910-11
20	25	32.9	8	1	US-08-448-937A-11
21	25	32.9	9	3	US-08-882-046-14
22	25	32.9	12	1	US-08-186-364-2
23	25	32.9	12	1	US-08-064-271-7
24	25	32.9	12	3	US-08-330-589A-7
25	25	32.9	12	4	US-09-599-781-7
26	25	32.9	12	4	US-09-832-161-26
27	25	32.9	13	3	US-08-466-368-13

Sequence 10, Appl
Sequence 18, Appl
Sequence 42, Appl
Sequence 79, Appl
Sequence 11, Appl
Sequence 25, Appl
Sequence 12, Appl
Sequence 26, Appl
Sequence 1, Appl
Sequence 64, Appl
Sequence 71, Appl
Sequence 427, Appl
Sequence 427, Appl
Sequence 427, Appl
Sequence 51, Appl
Sequence 51, Appl
Sequence 31, Appl

US-08-470-998-10
US-08-328-500-18
US-09-157-689-42
US-09-647-372B-79
US-09-553-800D-11
US-09-553-800D-25
US-09-553-800D-12
US-09-553-800D-26
US-08-666-473-1
US-08-340-283-64
US-08-340-283-71
US-08-469-260A-427
US-08-488-446-427
US-08-467-344A-427
US-08-836-561-51
US-08-836-075A-183
US-09-434-122-51
US-09-206-059-31

ALIGNMENTS

RESULT 1
US-08-619-557-8
; Sequence 8, Application US/08619557
; Patent No. 6160087
; GENERAL INFORMATION:
; APPLICANT: Tomohiko OGAWA
; TITLE OF INVENTION: PEPTIDES HAVING AN AMINO ACID SEQUENCE FROM THE FIBRIL PROTEIN OF PORPHYROMONAS GINGIVALIS AND THEIR USE
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 905 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/619,557
; FILING DATE: March 27, 1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-619-557-8

Query Match 38.2%; Score 29; DB 3; Length 10;
Best Local Similarity 60.0%; Pred.No. 73;
Matches 6; Conservative 2; Mismatches 0; Gaps 0;

QY 2 AIGSSNPTI 11

Db 1 ANGTHPTI 10

```

RESULT 2
US-08-408-604A-142
; Sequence 142, Application US/08408604A
; Patent No. 5801149
; GENERAL INFORMATION:
; APPLICANT: Shoelson, Steven
; TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES
; NUMBER OF SEQUENCES: 211
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/408,604A
; FILING DATE: 21-MAR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/134,558
; FILING DATE: 08-OCT-1993
; NAME: Myers, Louis
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: JDP-014CP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; INFORMATION FOR SEQ ID NO: 142:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-408-604A-142

Query Match 38.2%; Score 29; DB 1; Length 15;
Best Local Similarity 54.5%; Pred. No. 1.2e+02;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 3 IGGSSNPITLS 13
;
; 1 LAASSNPXLS 11
;

RESULT 3
US-08-408-604A-136
; Sequence 136, Application US/08408604A
; Patent No. 5801149
; GENERAL INFORMATION:
; APPLICANT: Shoelson, Steven
; TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES
; NUMBER OF SEQUENCES: 211
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510

```

```

; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/408,604A
; FILING DATE: 21-MAR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/134,558
; FILING DATE: 08-OCT-1993
; NAME: Myers, Louis
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: JDP-014CP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; INFORMATION FOR SEQ ID NO: 136:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-408-604A-136

Query Match 36.8%; Score 28; DB 1; Length 15;
Best Local Similarity 75.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 6 SSNPITLS 13
;
; 4 SSNPXLS 11
;

RESULT 4
US-08-340-283-87
; Sequence 87, Application US/08340283
; Patent No. 5861318
; GENERAL INFORMATION:
; APPLICANT: Elhammer, Ake P.
; TITLE OF INVENTION: A SCINTILLATION PROXIMITY ASSAY FOR
; TITLE OF INVENTION: N-ACETYLGLACTOSAMINYLTRANSFERASE ACTIVITY
; NUMBER OF SEQUENCES: 205
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacia
; ADDRESS: (1920-32-1)
; STREET: 301 Henrietta Street
; CITY: Kalamazoo
; STATE: Michigan
; COUNTRY: U.S.A.
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,283
; FILING DATE:
; CLASSIFICATION: 436

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; ATTORNEY/AGENT INFORMATION:
; NAME: Wootton, Thomas A.
; REGISTRATION NUMBER: 35,004
; REFERENCE/DOCKET NUMBER: 4828
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (616) 385-7914
; TELEFAX: (616) 385-6897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 87:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; US-08-340-283-87

Query Match 35.5%; Score 27; DB 2; Length 8;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GGSNP 9
Db 2 GGSSE 7

RESULT 5
US-09-051-934-30
; Sequence 30, Application US/09051934C
; Patent No. 6028053
; GENERAL INFORMATION:
; APPLICANT: Van der Geer
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/051,934C
; CURRENT FILING DATE: 1998-04-22
; EARLIER APPLICATION NUMBER: 60/011,799
; EARLIER FILING DATE: 1996-02-20
; EARLIER APPLICATION NUMBER: 60/010,384
; EARLIER FILING DATE: 1996-01-22
; EARLIER APPLICATION NUMBER: 60/005,944
; EARLIER FILING DATE: 1995-10-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
; LENGTH: 11
; TYPE: PRT
; ORGANISM: phosphotyrosine binding domain
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (8)_
; OTHER INFORMATION: Phosphorylated at Tyr
; US-09-051-934-30

Query Match 35.5%; Score 27; DB 3; Length 11;
Best Local Similarity 75.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 SSNPITLS 13
Db 3 SSNPETLS 10

RESULT 6
US-09-051-934-42
; Sequence 42, Application US/09051934C
; Patent No. 6028053
; GENERAL INFORMATION:
; APPLICANT: Van der Geer
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/051,934C
; CURRENT FILING DATE: 1998-04-22
; EARLIER APPLICATION NUMBER: 60/011,799
; EARLIER FILING DATE: 1996-02-20
; EARLIER APPLICATION NUMBER: 60/010,384
; EARLIER FILING DATE: 1996-01-22
; EARLIER APPLICATION NUMBER: 60/005,944
; EARLIER FILING DATE: 1995-10-27
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
; LENGTH: 11
; TYPE: PRT
; ORGANISM: phosphotyrosine binding domain
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (8)_
; OTHER INFORMATION: Phosphorylated at Tyr
; US-09-051-934-30

Query Match 35.5%; Score 27; DB 3; Length 11;
Best Local Similarity 75.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 SSNPITLS 13
Db 3 SSNPETLS 10

RESULT 7
US-09-051-934-9
; Sequence 9, Application US/09051934C
; Patent No. 6028053
; GENERAL INFORMATION:
; APPLICANT: Van der Geer
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/051,934C
; CURRENT FILING DATE: 1998-04-22
; EARLIER APPLICATION NUMBER: 60/011,799
; EARLIER FILING DATE: 1996-02-20
; EARLIER APPLICATION NUMBER: 60/010,384
; EARLIER FILING DATE: 1996-01-22
; EARLIER APPLICATION NUMBER: 60/005,944
; EARLIER FILING DATE: 1995-10-27
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 12
; TYPE: PRT
; ORGANISM: phosphotyrosine binding domain
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (8)_
; OTHER INFORMATION: Phosphorylated at Tyr in position number 8
; US-09-051-934-9

Query Match 35.5%; Score 27; DB 3; Length 12;
Best Local Similarity 75.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 SSNPITLS 13
Db 3 SSNPETLS 10

RESULT 8
US-08-408-604A-135
; Sequence 135, Application US/08408604A
```

```

; Patent No. 5801149
; GENERAL INFORMATION:
; APPLICANT: Shoelson, Steven
; TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES
; NUMBER OF SEQUENCES: 211
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/408,604A
; FILING DATE: 21-MAR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/134,558
; FILING DATE: 08-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/959,949
; FILING DATE: 09-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/722,359
; FILING DATE: 19-JUNE-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Louis
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: JDP-014CP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 135:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-604A-135

Query Match 35.5%; Score 27; DB 1; Length 14;
Best Local Similarity 75.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 6 SSNPFTLS 13
Db 3 SSNPFTLS 10

RESULT 9
US-08-604A-134
; Sequence 134, Application US/08408604A
; Patent No. 5801149
; GENERAL INFORMATION:
; APPLICANT: Shoelson, Steven
; TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES
; NUMBER OF SEQUENCES: 211
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

```

```

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/408,604A
; FILING DATE: 21-MAR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/134,558
; FILING DATE: 08-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/959,949
; FILING DATE: 09-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/722,359
; FILING DATE: 19-JUNE-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Louis
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: JDP-014CP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 134:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-604A-134

Query Match 35.5%; Score 27; DB 1; Length 15;
Best Local Similarity 75.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 6 SSNPFTLS 13
Db 4 SSNPFTLS 11

RESULT 10
US-08-604A-141
; Sequence 141, Application US/08408604A
; Patent No. 5801149
; GENERAL INFORMATION:
; APPLICANT: Shoelson, Steven
; TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES
; NUMBER OF SEQUENCES: 211
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/408,604A
; FILING DATE: 21-MAR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/134,558
; FILING DATE: 08-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/959,949
; FILING DATE: 09-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/722,359
; FILING DATE: 19-JUNE-1991

```

ATTORNEY/AGENT INFORMATION:
 NAME: Myers, Louis
 REGISTRATION NUMBER: 35,965
 REFERENCE/DOCKET NUMBER: JDP-014CP3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 141:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-408-604A-141

Query Match 35.5%; Score 27; DB 1; Length 15;
 Best Local Similarity 75.0%; Pred. No. 2.6e+02;
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 SSNPITLS 13
 Db 4 SSNPXLS 11

RESULT 11
 US-08-408-604A-143
 ; Sequence 143, Application US/08408604A
 ; Patent No. 5801149
 ; GENERAL INFORMATION:
 ; APPLICANT: Shoelson, Steven
 ; TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES
 ; NUMBER OF SEQUENCES: 211
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: LAHIVE & COCKFIELD
 ; STREET: 60 State Street, Suite 510
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02109-1875
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/408,604A
 ; FILING DATE: 21-MAR-1995
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/134,558
 ; FILING DATE: 08-OCT-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/959,949
 ; FILING DATE: 09-OCT-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/722,359
 ; FILING DATE: 19-JUNE-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Myers, Louis
 ; REGISTRATION NUMBER: 35,965
 ; REFERENCE/DOCKET NUMBER: JDP-014CP3
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617)227-7400
 ; TELEFAX: (617)227-5941
 ; INFORMATION FOR SEQ ID NO: 143:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 15 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal
 US-08-408-604A-143

Query Match 35.5%; Score 27; DB 1; Length 15;
 Best Local Similarity 75.0%; Pred. No. 2.6e+02;
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 6 SSNPITLS 13
 Db 4 SSNPXLS 11

RESULT 12
 US-09-051-934-5
 ; Sequence 5, Application US/09051934C
 ; Patent No. 6028053
 ; GENERAL INFORMATION:
 ; APPLICANT: Van der Geer
 ; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain
 ; FILE REFERENCE:
 ; CURRENT APPLICATION NUMBER: US/09/051,934C
 ; CURRENT FILING DATE: 1998-04-22
 ; EARLIER APPLICATION NUMBER: 60/011,799
 ; EARLIER FILING DATE: 1996-02-20
 ; EARLIER APPLICATION NUMBER: 60/010,384
 ; EARLIER FILING DATE: 1996-01-22
 ; EARLIER APPLICATION NUMBER: 60/005,944
 ; EARLIER FILING DATE: 1995-10-27
 ; NUMBER OF SEQ ID NOS: 60
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 5
 ; LENGTH: 11
 ; TYPE: PRT
 ; ORGANISM: phosphotyrosine binding domain
 ; FEATURE:
 ; NAME/KEY: MOD_RES
 ; LOCATION: (8)
 ; OTHER INFORMATION: Phosphorylated at Tyr in position number 8
 US-09-051-934-5

Query Match 34.9%; Score 26.5; DB 3; Length 11;
 Best Local Similarity 61.5%; Pred. No. 2.2e+02;
 Matches 8; Conservative 0; Mismatches 2; Indels 3; Gaps 1;

QY 1 YAIGSSNPITLS 13
 Db 1 YAI--SNPEYLS 10

RESULT 13
 US-09-051-934-44
 ; Sequence 44, Application US/09051934C
 ; Patent No. 6028053
 ; GENERAL INFORMATION:
 ; APPLICANT: Van der Geer
 ; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain
 ; FILE REFERENCE:
 ; CURRENT APPLICATION NUMBER: US/09/051,934C
 ; CURRENT FILING DATE: 1998-04-22
 ; EARLIER APPLICATION NUMBER: 60/011,799
 ; EARLIER FILING DATE: 1996-02-20
 ; EARLIER APPLICATION NUMBER: 60/010,384
 ; EARLIER FILING DATE: 1996-01-22
 ; EARLIER APPLICATION NUMBER: 60/005,944
 ; EARLIER FILING DATE: 1995-10-27
 ; NUMBER OF SEQ ID NOS: 60
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 44
 ; LENGTH: 11
 ; TYPE: PRT
 ; ORGANISM: phosphotyrosine binding domain
 ; FEATURE:
 ; NAME/KEY: MOD_RES

LOCATION: (8)
OTHER INFORMATION: Phosphorylated at Tyr in position number 8
US-09-051-934-44

Query Match 34.9%; Score 26.5; DB 3; Length 11;
Best Local Similarity 61.5%; Pred. No. 2.2e+02;
Matches 8; Conservative 0; Mismatches 2; Indels 3; Gaps 1;

QY 1 YAIIGSSNPITL 13
||| ||| |||
Db 1 YAI---SNPEYLS 10

RESULT 14
US-07-743-613-1
Sequence 1, Application US/07743613
Patent No. 5783179
GENERAL INFORMATION:
APPLICANT: Nestor Jr., John J.
APPLICANT: Ho, Teresa H.
APPLICANT: Eppstein, Deborah A.
APPLICANT: Felgner, Philip L.
APPLICANT: Barina, Barbara P.
APPLICANT: Deodhar, Sharad D.
TITLE OF INVENTION: C-Reactive Protein Fragment with
IMMUNOMODULATORY ACTIVITY
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Syntex (U. S. A.), Inc. Patent Law Dept.
STREET: 3401 Hillview Ave.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/743,613
FILING DATE: 19910809
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Schmonsees, William
REGISTRATION NUMBER: 31,796
REFERENCE/DOCKET NUMBER: 27360
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-835-6593
TELEFAX: 415-496-3529
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
TOPOLOGY: T
HYPOTHETICAL: NO
FRAGMENT TYPE: internal
US-07-743-613-1

Query Match 34.2%; Score 26; DB 1; Length 12;
Best Local Similarity 40.0%; Pred. No. 2.9e+02;
Matches 4; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 3 IGGSSNPITL 12
:|:|:|:|:
Db 3 LGGPESPVL 12

RESULT 15
5189147-16
Patent No. 5189147

APPLICANT: SAITO, HARUO; KRANZ, DAVID M.; ELSSEN, HERMAN N.;
TONEGAWA, SUSUMU
TITLE OF INVENTION: METEORODIMERIC T LYMPHOCYTE RECEPTOR
ANTIBODY
NUMBER OF SEQUENCES: 21
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/271,216
FILING DATE: 14-NOV-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 666,988
FILING DATE: 31-OCT-1984
APPLICATION NUMBER: 620,122
FILING DATE: 13-JUN-1984
SEQ ID NO: 16:
LENGTH: 12
5189147-16

Query Match 34.2%; Score 26; DB 6; Length 12;
Best Local Similarity 40.0%; Pred. No. 2.9e+02;
Matches 4; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 3 IGGSSNPITL 12
:|:|:|:|:
Db 2 VGGGKVTVL 11

Search completed: April 29, 2004, 09:27:30
Job time : 11.85 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-9

Perfect score: 76

Sequence: 1 YAIGSSNPTILSEG 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	76	100.0	15	14	US-10-354-240-65
2	53	69.7	15	14	US-10-354-240-64
3	49	64.5	15	14	US-10-354-240-66
4	32	42.1	10	10	US-09-572-270A-956
5	32	42.1	14	10	US-09-300-425B-24
6	32	42.1	14	14	US-10-321-558-3
7	32	42.1	15	9	US-09-942-117-21
8	30	39.5	7	12	US-10-363-208-259
9	29	38.2	10	10	US-09-572-404B-2454
10	29	38.2	12	14	US-10-254-446A-227
11	29	38.2	13	16	US-10-432-422-130
12	29	38.2	15	12	US-10-682-420-76
13	29	38.2	15	12	US-10-682-420-77
14	29	38.2	15	16	US-10-409-613-75
15	29	38.2	15	16	US-10-409-613-77

16	27	35.5	10	14	US-10-022-066-554	Sequence 554, App
17	27	35.5	11	9	US-09-734-520-83	Sequence 83, Appl
18	27	35.5	11	13	US-10-012-034A-83	Sequence 83, Appl
19	27	35.5	13	14	US-10-253-532-50	Sequence 50, Appl
20	27	35.5	13	14	US-10-253-532-51	Sequence 51, Appl
21	27	35.5	15	14	US-10-354-240-63	Sequence 63, Appl
22	27	35.5	8	14	US-10-089-549-12	Sequence 12, Appl
23	26	34.2	10	10	US-09-572-404B-336	Sequence 336, App
24	26	34.2	10	10	US-09-572-404B-3614	Sequence 3614, Ap
25	26	34.2	10	10	US-09-572-404B-3616	Sequence 3616, Ap
26	26	34.2	10	10	US-09-572-404B-4166	Sequence 4166, Ap
27	26	34.2	10	10	US-09-572-404B-4167	Sequence 4167, Ap
28	26	34.2	10	10	US-09-572-404B-4168	Sequence 4168, Ap
29	26	34.2	10	10	US-09-572-404B-4169	Sequence 4169, Ap
30	26	34.2	10	10	US-09-572-404B-4170	Sequence 4170, Ap
31	26	34.2	10	10	US-09-572-270A-726	Sequence 726, App
32	26	34.2	10	10	US-09-573-822C-651	Sequence 651, App
33	26	34.2	10	12	US-09-881-636-216	Sequence 216, App
34	26	34.2	10	12	US-09-881-636-506	Sequence 506, App
35	26	34.2	10	12	US-09-881-636-601	Sequence 601, App
36	26	34.2	11	9	US-09-734-520-81	Sequence 81, Appl
37	26	34.2	11	13	US-10-012-034A-81	Sequence 81, Appl
38	26	34.2	14	9	US-09-839-884-16	Sequence 16, Appl
39	26	34.2	14	10	US-09-839-884-16	Sequence 16, Appl
40	26	34.2	14	12	US-10-362-249-18	Sequence 18, Appl
41	26	34.2	14	12	US-10-362-249-21	Sequence 21, Appl
42	26	34.2	14	14	US-10-057-789-60	Sequence 60, Appl
43	26	34.2	14	14	US-10-057-789-90	Sequence 90, Appl
44	26	34.2	14	14	US-10-212-628-60	Sequence 60, Appl
45	26	34.2	14	14	US-10-212-628-90	Sequence 90, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-65
; Sequence 65, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiho
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.11
; SEQ ID NO 65
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 51
US-10-354-240-65

Query Match 100.0%; Score 76; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.8e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 YAIGSSNPTILSEG 15

Db 1 YAIGSSNPTILSEG 15

```
RESULT 2
US-10-354-240-64
; Sequence 64, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 50
US-10-354-240-64

Query Match          69.7%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.038;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YAIGSSNPT 10
Db 6 YAIGSSNPT 15

RESULT 3
US-10-354-240-66
; Sequence 66, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 52
US-10-354-240-66

Query Match          64.5%; Score 49; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.18;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy 6 SSNPTILSEG 15
Db 1 SSNPTILSEG 10

RESULT 4
US-09-572-270A-956
; Sequence 956, Application US/09572270A
; Publication No. US20030148368A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Inter- complementary peptide listing
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/572,270A
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 1144
; SOFTWARE: Prototatent version 1.0
; SEQ ID NO 956
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Arabidopsis Thaliana
; OTHER INFORMATION: Sequence located in APP. at 427-436 and may interact with
US-09-572-270A-956

Query Match          42.1%; Score 32; DB 10; Length 10;
Best Local Similarity 70.0%; Pred. No. 88;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 3 IGGSSNPTIL 12
Db 1 IGGSNITGIL 10

RESULT 5
US-09-300-425B-24
; Sequence 24, Application US/09300425B
; Publication No. US20030045681A1
; GENERAL INFORMATION:
; APPLICANT: NERI, Dario
; APPLICANT: TARLI, Lorenzo
; APPLICANT: VITTI, Francesca
; TITLE OF INVENTION: SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY, CONJUGATES
; TITLE OF INVENTION: CONTAINING THEM AND THERAPEUTIC METHOD FOR TREATMENT OF
; TITLE OF INVENTION: ANGIOGENESIS
; FILE REFERENCE: SCH-1733P1
; CURRENT APPLICATION NUMBER: US/09/300,425B
; CURRENT FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/075,338
; PRIOR FILING DATE: 1998-05-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide formula
US-09-300-425B-24

Query Match          42.1%; Score 32; DB 10; Length 14;
Best Local Similarity 54.5%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 4 GGSSNPTILSE 14
Db 2 GGESAPTILQ 12

RESULT 6
US-10-321-558-3
; Sequence 3, Application US/10321558
```

; Publication No. US2003017663A1
; GENERAL INFORMATION:
; APPLICANT: NERI, DARIO
; APPLICANT: TARLI, LORENZO
; APPLICANT: VITI, FRANCESCA
; APPLICANT: BIRCHLER, MANFRED
; TITLE OF INVENTION: SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY
; FILE REFERENCE: NOTAR-1 C1
; CURRENT APPLICATION NUMBER: US/10/321,558
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: 09/512,082
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 09/300,425
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/075,338
; PRIOR FILING DATE: 1998-05-11
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-321-558-3

Query Match 42.1%; Score 32; DB 14; Length 14;
Best Local Similarity 54.5%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 4 GGSNPTILSE 14
||| ||| :
Db 2 GGSAPTTLTQ 12

RESULT 7
US-09-942-117-21
; Sequence 21, Application US/09942117
; Publication No. US20020197700A1
; GENERAL INFORMATION:
; APPLICANT: MENRAD, ANDREAS
; APPLICANT: REDLITZ, ALEXANDER
; APPLICANT: KOPPLITZ, MARCUS
; APPLICANT: EGNER, URSULA
; APPLICANT: BAHR, INKE
; TITLE OF INVENTION: RECEPTOR OF THE EDB-FIBRONECTIN DOMAINS
; FILE REFERENCE: SCH-1832
; CURRENT APPLICATION NUMBER: US/09/942,117
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: DE 10045803.3
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: DE 10123133.4-41
; PRIOR FILING DATE: 2001-05-20
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 21
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-09-942-117-21

Query Match 42.1%; Score 32; DB 9; Length 15;
Best Local Similarity 54.5%; Pred. No. 1.4e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 4 GGSNPTILSE 14
||| ||| :
Db 4 GGSAPTTLTQ 14

RESULT 8
US-10-363-208-269
; Sequence 269, Application US/10363208
; Publication No. US20040048243A1
; GENERAL INFORMATION:
; APPLICANT: Board of Regents, The University of Texas System
; TITLE OF INVENTION: Methods and Compositions for In Vitro Targeting
; FILE REFERENCE: 005774.P005PCT
; CURRENT APPLICATION NUMBER: US/10/363,208
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 269
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: (1)..(7)
; OTHER INFORMATION: synthetic construct
US-10-363-208-269

Query Match 39.5%; Score 30; DB 12; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 GGSNPT 9
||| |||
Db 2 GGSANP 7

RESULT 9
US-09-572-404B-2454
; Sequence 2454, Application US/09572404B
; Publication No. US20030078374A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands from the human genome
; FILE REFERENCE: Human patent
; CURRENT APPLICATION NUMBER: US/09/572,404B
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 4203
; SOFTWARE: ProtPatent version 1.0
; SEQ ID NO 2454
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: sequence located in Unknown at 21-30 and may interact with Sequ
; OTHER INFORMATION: in this patent.
US-09-572-404B-2454

Query Match 38.2%; Score 29; DB 10; Length 10;
Best Local Similarity 85.7%; Pred. No. 2.Be+02;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GGSNPT 10
||| |||
Db 4 GGSNPT 10

RESULT 10
US-10-254-446A-227
; Sequence 227, Application US/10254446A
; Publication No. US20030113714A1
; GENERAL INFORMATION:
; APPLICANT: Belcher, Angela M
; APPLICANT: Smalley, Richard E.
; APPLICANT: Ryan, Esther
; APPLICANT: Lee, Seung-Wuk
; TITLE OF INVENTION: BIOLOGICAL CONTROL OF NANOPARTICLES
; FILE REFERENCE: 119927-1066

```
; CURRENT APPLICATION NUMBER: US/10/254,446A
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/325,664
; PRIOR FILING DATE: 2001-09-28
; NUMBER OF SEQ ID NOS: 245
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 227
; LENGTH: 12
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: peptide with peptide binding sequence retrieved from phage biopar
US-10-254-446A-227

Query Match          38.2%; Score 29; DB 14; Length 12;
Best Local Similarity 60.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      4 GGSSNP 13
DB      1 GSHSNPTPLT 10

RESULT 11
US-10-432-422-130
; Sequence 130, Application US/10432422
; Publication No. US20040076981A1
; GENERAL INFORMATION:
; APPLICANT: Syngenta Participations AG
; APPLICANT: Cornell Research Foundation, Inc.
; APPLICANT: Yoder, Olen
; APPLICANT: Turgeon, Barbara G.
; APPLICANT: Lu, Shen-wen
; TITLE OF INVENTION: Fungal Iron Reductase Gene
; FILE REFERENCE: 1360.017W01
; CURRENT APPLICATION NUMBER: US/10/432,422
; CURRENT FILING DATE: 2003-05-21
; PRIOR APPLICATION NUMBER: US 60/252,732
; PRIOR FILING DATE: 2000-11-22
; PRIOR APPLICATION NUMBER: US 60/252,649
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 210
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 130
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Bacillus brevis
US-10-432-422-130

Query Match          38.2%; Score 29; DB 16; Length 13;
Best Local Similarity 71.4%; Pred. No. 3.8e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 YAIGSS 7
DB      2 YALGDS 8

RESULT 12
US-10-682-420-76
; Sequence 76, Application US/10682420
; Publication No. US20040062775A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, Andre
; APPLICANT: ALBINA, Emanuel
; APPLICANT: Le CANN, Pierre
; APPLICANT: BLANCHARD, Philippe
; APPLICANT: HUTET, Evelyne
; APPLICANT: ARNAULD, Claire
; APPLICANT: TRUONG, Catherine
; APPLICANT: MAHE, Dominique
; APPLICANT: CARIOLET, Roland
; APPLICANT: MADEC, Francois
```

```
; TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS
; FILE REFERENCE: 065691/0176
; CURRENT APPLICATION NUMBER: US/10/682,420
; CURRENT FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: US/10/637,011
; PRIOR FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: US/09/514,245B
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: FR 97/15396
; PRIOR FILING DATE: 1997-12-05
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 76
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Type B PWD circovirus
US-10-682-420-76
```

```
Query Match          38.2%; Score 29; DB 12; Length 15;
Best Local Similarity 83.3%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      4 GGSSNP 9
DB      7 GGSSNP 12
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RESULT 13
US-10-682-420-77
; Sequence 77, Application US/10682420
; Publication No. US20040062775A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, Andre
; APPLICANT: ALBINA, Emanuel
; APPLICANT: Le CANN, Pierre
; APPLICANT: BLANCHARD, Philippe
; APPLICANT: HUTET, Evelyne
; APPLICANT: ARNAULD, Claire
; APPLICANT: TRUONG, Catherine
; APPLICANT: MAHE, Dominique
; APPLICANT: CARIOLET, Roland
; APPLICANT: MADEC, Francois
; TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS
; FILE REFERENCE: 065691/0176
; CURRENT APPLICATION NUMBER: US/10/682,420
; CURRENT FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: US/10/637,011
; PRIOR FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: US/09/514,245B
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: FR 97/15396
; PRIOR FILING DATE: 1997-12-05
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 77
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Type B PWD circovirus
US-10-682-420-77
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```
Query Match          38.2%; Score 29; DB 12; Length 15;
Best Local Similarity 83.3%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      4 GGSSNP 9
DB      3 GGSSNP 8
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RESULT 14
US-10-409-613-76
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Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 4 GGSSNP 9
|||
Db 3 GGSSNP 8
Search completed: April 29, 2004, 10:34:08
Job time : 30.85 secs

; Sequence 76, Application US/10409613
; Publication No. US20040076635A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, Andre
; APPLICANT: ALBINA, Emanuel
; APPLICANT: Le CANN, Pierre
; APPLICANT: BLANCHARD, Philippe
; APPLICANT: HUTET, Evelyne
; APPLICANT: ARNAULD, Claire
; APPLICANT: TRUONG, Catherine
; APPLICANT: MAHE, Dominique
; APPLICANT: CARIOLET, Roland
; APPLICANT: MADEC, Francois
; TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS
; TITLE OF INVENTION: DISEASE (PWD)
; FILE REFERENCE: 065691/0176
; CURRENT APPLICATION NUMBER: US/10/409,613
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US/09/514,245B
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: FR 97/15396
; PRIOR FILING DATE: 1997-12-05
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 76
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Type B PWD circovirus
US-10-409-613-76

Query Match 38.2%; Score 29; DB 16; Length 15;
Best Local Similarity 83.3%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GGSSNP 9
|||
Db 7 GGSSNP 12

RESULT 15
US-10-409-613-77
; Sequence 77, Application US/10409613
; Publication No. US20040076635A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, Andre
; APPLICANT: ALBINA, Emanuel
; APPLICANT: Le CANN, Pierre
; APPLICANT: BLANCHARD, Philippe
; APPLICANT: HUTET, Evelyne
; APPLICANT: ARNAULD, Claire
; APPLICANT: TRUONG, Catherine
; APPLICANT: MAHE, Dominique
; APPLICANT: CARIOLET, Roland
; APPLICANT: MADEC, Francois
; TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS
; TITLE OF INVENTION: DISEASE (PWD)
; FILE REFERENCE: 065691/0176
; CURRENT APPLICATION NUMBER: US/10/409,613
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US/09/514,245B
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: FR 97/15396
; PRIOR FILING DATE: 1997-12-05
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 77
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Type B PWD circovirus
US-10-409-613-77

Query Match 38.2%; Score 29; DB 16; Length 15;
Best Local Similarity 83.3%; Pred. No. 4.4e+02;

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-8

Perfect score: 78

Sequence: 1 KSNKVTVAFNQPGPN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:*
- 1: /cgn2_6/ptodata/2/iaa/5A COMB.pap.*
 - 2: /cgn2_6/ptodata/2/iaa/5B COMB.pap.*
 - 3: /cgn2_6/ptodata/2/iaa/6A COMB.pap.*
 - 4: /cgn2_6/ptodata/2/iaa/6B COMB.pap.*
 - 5: /cgn2_6/ptodata/2/iaa/PCFUS COMB.pap.*
 - 6: /cgn2_6/ptodata/2/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	65	83.3	13	3	US-08-467-023-235
2	65	83.3	15	3	US-08-467-023-235
3	65	83.3	15	3	US-08-467-023-255
4	53	67.9	14	3	US-08-467-023-247
5	53	67.9	15	3	US-08-467-023-245
6	30	38.5	9	4	US-09-454-204A-73
7	27	34.6	15	4	US-09-670-075A-3
8	26	33.3	15	5	PCT-US93-06751-53
9	25	32.1	11	1	US-08-477-727A-58
10	25	32.1	13	1	US-08-798-897-30
11	25	32.1	13	2	US-08-798-897-30
12	24	30.8	11	1	US-07-991-867B-48
13	24	30.8	11	2	US-08-544-332-48
14	24	30.8	11	4	US-09-370-861A-48
15	24	30.8	13	1	US-08-463-115-102
16	24	30.8	13	1	US-08-465-388-102
17	24	30.8	15	1	US-08-245-853-14
18	24	30.8	15	1	US-08-573-675-14
19	24	30.8	15	3	US-08-695-967-6
20	24	30.8	15	4	US-09-561-490E-16
21	24	30.8	15	4	US-09-421-238-6
22	24	30.8	15	4	US-09-004-014-6
23	24	30.8	15	5	PCT-US93-06751-51
24	23	29.5	6	1	US-08-343-943-2
25	23	29.5	6	5	PCT-US93-01669-48
26	23	29.5	11	2	US-08-737-371A-4
27	23	29.5	11	4	US-09-177-165A-1

Sequence 1, Appli
Sequence 180, App
Sequence 4, Appli
Sequence 19, Appli
Sequence 33, Appli
Sequence 33, Appli
Sequence 26, Appli
Sequence 27, Appli
Sequence 26, Appli
Sequence 27, Appli
Sequence 40, Appli
Sequence 40, Appli
Sequence 67, Appli
Sequence 21, Appli
Sequence 153, App
Sequence 233, App
Sequence 2, Appli
Sequence 152, App

28 23 29.5 11 4 US-09-182-625F-1
29 23 29.5 11 4 US-09-311-784A-180
30 23 29.5 11 5 PCT-US95-05853-4
31 23 29.5 12 4 US-09-434-476A-19
32 23 29.5 13 1 US-08-798-897-33
33 23 29.5 13 2 US-08-978-523-33
34 23 29.5 13 4 US-08-854-039B-26
35 23 29.5 13 4 US-08-854-039B-27
36 23 29.5 13 4 US-08-785-702B-26
37 23 29.5 13 4 US-08-785-702B-27
38 23 29.5 14 2 US-08-672-345C-40
39 23 29.5 14 3 US-09-214-095D-40
40 23 29.5 14 5 PCT-US93-06751-67
41 23 29.5 15 2 US-08-136-016-21
42 23 29.5 15 2 US-08-248-839C-153
43 23 29.5 15 4 US-09-009-853-233
44 23 29.5 15 4 US-09-177-165A-2
45 23 29.5 15 4 US-09-311-784A-152

ALIGNMENTS

RESULT 1
US-08-467-023-235
; Sequence 235, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bord, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 235:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-235

Query Match 83.3%; Score 65; DB 3; Length 13;
Best Local Similarity 100.0%; Pred. No. 7.9e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFG 13
Db 1 KSMKVTVAFNQFG 13

RESULT 2

US-08-467-023-255
; Sequence 255, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 255:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-256

; Sequence 256, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 256:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-256

Query Match 83.3%; Score 65; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.3e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFG 13
Db 2 KSMKVTVAFNQFG 14

RESULT 4

US-08-467-023-247
; Sequence 247, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;

US-08-467-023-235

Query Match 83.3%; Score 65; DB 3; Length 13;
Best Local Similarity 100.0%; Pred. No. 7.9e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFG 13
Db 1 KSMKVTVAFNQFG 13

RESULT 2

US-08-467-023-255
; Sequence 255, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 255:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-256

; Sequence 256, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 256:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-256

Query Match 83.3%; Score 65; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.3e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFG 13
Db 2 KSMKVTVAFNQFG 14

RESULT 4

US-08-467-023-247
; Sequence 247, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;

```

; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 247:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-247

Query Match 67.9%; Score 53; DB 3; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0015;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQ 11
DB 1 KSMKVTVAFNQ 11

RESULT 5
US-08-467-023-245
; Sequence 245, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Wei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 245:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-245

Query Match 67.9%; Score 53; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0016;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQ 11
DB 3 KSMKVTVAFNQ 13

RESULT 6
US-09-454-204A-73
; Sequence 73, Application US/09454204A
; Patent No. 6663871
; GENERAL INFORMATION:
; APPLICANT: McMichael, Andrew
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: Gilbert, Sarah C.
; APPLICANT: Schneider, Jorg
; APPLICANT: Plebanski, Magdalena
; APPLICANT: Hanke, Tomas
; APPLICANT: Smith, Geoffrey L.
; APPLICANT: Blanchard, Tom
; TITLE OF INVENTION: Methods and Reagents for Vaccination
; TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
; FILE REFERENCE: 2907.1000-000
; CURRENT APPLICATION NUMBER: US/09/454,204A
; CURRENT FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: GB 97 11957.2
; PRIOR FILING DATE: 1997-06-09
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
; US-09-454-204A-73

Query Match 38.5%; Score 30; DB 4; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 5 VTVAFNQF 12

```



```

Db      : |||||:|
1 INVAFNEP 8

RESULT 7
US-09-670-075A-3
; Sequence 3, Application US/09670075A
; Patent No. 6479281
; GENERAL INFORMATION:
; APPLICANT: Gottlinger, Heinrich
; APPLICANT: Reil, Heide
; APPLICANT: Bukovsky, Anatoly
; TITLE OF INVENTION: INFECTIOUS PSEUDOTYPED LENTIVIRAL VECTORS LACKING MATRIX
; TITLE OF INVENTION: PROTEIN AND USES THEREOF
; FILE REFERENCE: 700157/46767 C
; CURRENT APPLICATION NUMBER: US/09/670,075A
; CURRENT FILING DATE: 2002-05-21
; PRIOR APPLICATION NUMBER: PCT/US99/07220
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/080,504
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 3
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-670-075A-3

Query Match      34.6%; Score 27; DB 4; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      1 KSMKVTVAFN 10
DB      5 KSKPKTVSVFN 14

RESULT 8
PCT-US93-06751-53
; Sequence 53, Application PC/TUS9306751
; GENERAL INFORMATION:
; APPLICANT: P. Keller, A. J. Conley, A. R. Shaw, B. A. Arnold
; TITLE OF INVENTION: Immunological Conjugates of OMPC and
; TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06751
; FILING DATE: 19930719
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meredith, Roy D.
; REGISTRATION NUMBER: 30,777
; REFERENCE/DOCKET NUMBER: 18614
; TELEPHONE: (908) 594-4678
; TELEFAX: (908) 594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids

us-09-308-027a-8.closed.ra1

; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE: Random Epitope Library Alpha
PCT-US93-06751-53

Query Match      33.3%; Score 26; DB 5; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.7e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      11 QFGPN 15
DB      7 RFGPN 11

RESULT 9
US-08-477-727A-58
; Sequence 58, Application US/08477727A
; Patent No. 5739106
; GENERAL INFORMATION:
; APPLICANT: Rink, Timothy
; APPLICANT: Young, Andrew
; APPLICANT: Bealey, Nigel
; APPLICANT: Prickett, Kathryn
; TITLE OF INVENTION: APPETITE REGULATING
; TITLE OF INVENTION: COMPOSITIONS
; NUMBER OF SEQUENCES: 108
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LYON & LYON
; STREET: 633 WEST FIFTH STREET, SUITE 4700
; CITY: LOS ANGELES
; STATE: CA
; COUNTRY: USA
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,727A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: DUFT, BRADFORD J
; REGISTRATION NUMBER: 32,219
; REFERENCE/DOCKET NUMBER: 214/005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-552-8400
; TELEFAX: 619-552-0157
; TELEX:
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
US-08-477-727A-58

Query Match      32.1%; Score 25; DB 1; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.2e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy      10 NQFGP 14
Db      3 NQFGP 7

RESULT 10
US-08-798-897-30
; Sequence 30, Application US/08798897
; Patent No. 5789201
; GENERAL INFORMATION:
; APPLICANT: Guastella, John
; TITLE OF INVENTION: Genes Coding For Bcl-y, a Bcl-2
; TITLE OF INVENTION: Homologue
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 New York Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/798,897
; FILING DATE: February 11, 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 1483.0140001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-798-897-30

Query Match      32.1%; Score 25; DB 1; Length 13;
Best Local Similarity 71.4%; Pred. No. 2.3e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      7 VAFNQFG 13
Db      6 VAFPEFG 12

RESULT 11
US-08-978-523-30
; Sequence 30, Application US/08978523
; Patent No. 5883229
; GENERAL INFORMATION:
; APPLICANT: Guastella, John
; TITLE OF INVENTION: Genes Coding For Bcl-y, a Bcl-2
; TITLE OF INVENTION: Homologue
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 New York Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/991,867B
; FILING DATE: 12-DEC-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 92/14818
; FILING DATE: 12-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,685
; FILING DATE: 30-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/657,584
; FILING DATE: 19-FEB-1991
; ATTORNEY/AGENT INFORMATION:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/978,523
; FILING DATE: herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/798,897
; FILING DATE: February 11, 1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 1483.0140002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-978-523-30

Query Match      32.1%; Score 25; DB 2; Length 13;
Best Local Similarity 71.4%; Pred. No. 2.3e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      7 VAFNQFG 13
Db      6 VAFPEFG 12

RESULT 12
US-07-991-867B-48
; Sequence 48, Application US/07991867B
; Patent No. 5476781
; GENERAL INFORMATION:
; APPLICANT: Moyer, Richard W.
; APPLICANT: Hall, Richard L.
; APPLICANT: Gruidl, Michael E.
; TITLE OF INVENTION: No. 5476781el Entomopoxvirus Expression System
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David R. Saliwanchik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: USA
; ZIP: 32606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/991,867B
; FILING DATE: 12-DEC-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 92/14818
; FILING DATE: 12-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,685
; FILING DATE: 30-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/657,584
; FILING DATE: 19-FEB-1991
; ATTORNEY/AGENT INFORMATION:

```

```

NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 31,794
REFERENCE/DOCKET NUMBER: UFI14.C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-07-991-867B-48

Query Match 30.8%; Score 24; DB 1; Length 11;
Best Local Similarity 44.4%; Pred. No. 2.9e+02;
Matches 4; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 KSMKVTYVAF 9
DB 1 KSVNIASF 9

RESULT 13
US-08-544-332-48
; Sequence 48, Application US/08544332
; Patent No. 5935777
; GENERAL INFORMATION:
; APPLICANT: Moyer, Richard W.
; APPLICANT: Hall, Richard L.
; APPLICANT: Guidi, Michael E.
; TITLE OF INVENTION: No. 5935777el Entomopoxvirus Expression System
; NUMBER OF SEQUENCES: 77
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gerard H. Bencen
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: USA
; ZIP: 32606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/544,332
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,867
; FILING DATE: 07-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/107,755
; FILING DATE: 19-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 92/14818
; FILING DATE: 12-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,695
; FILING DATE: 30-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/657,584
; FILING DATE: 19-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Bencen, Gerard H.
; REGISTRATION NUMBER: 35,746
; REFERENCE/DOCKET NUMBER: UFI14.C4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 904-375-8100
; TELEFAX: 904-372-5800
; INFORMATION FOR SEQ ID NO: 48:

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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,115
FILING DATE: June 5, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below: Four
APPLICATION NUMBER: 08/157,811
FILING DATE: NO. 5703221ember 23, 1993
APPLICATION NUMBER: 07/887,502
FILING DATE: May 22, 1992
APPLICATION NUMBER: 07/704,814
FILING DATE: May 23, 1991
APPLICATION NUMBER: 07/763,039
FILING DATE: September 20, 1991
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 213/301
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 102:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-463-115-102

Query Match 30.8%; Score 24; DB 1; Length 13;
Best Local Similarity 33.3%; Pred. No. 3.5e+02;
Matches 4; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
QY 3 MKVTVAHQFGP 14
Db 1 MDVELSFDYWP 12

Search completed: April 29, 2004, 09:27:30
Job time : 12.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model
Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.77% Million cell updates/sec

Title: US-09-308-027A-8
Perfect score: 78
Sequence: 1 KSMKVTVAFNQFGPN 15
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5
Searched: 1138120 seqs, 277189581 residues
Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0
Maximum DB seq length: 15
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/prodata/2/pubaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/prodata/2/pubaa/US07_PUBCOMB.pep.*
- 3: /cgn2_6/prodata/2/pubaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/2/pubaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/prodata/2/pubaa/US07_NEW_PUB.pep.*
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- 7: /cgn2_6/prodata/2/pubaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/prodata/2/pubaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/prodata/2/pubaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/prodata/2/pubaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/prodata/2/pubaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/prodata/2/pubaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/prodata/2/pubaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/prodata/2/pubaa/US10B_PUBCOMB.pep.*
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- 16: /cgn2_6/prodata/2/pubaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/prodata/2/pubaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/prodata/2/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	78	100.0	15	US-10-354-240-9	Sequence 9, Appli
2	78	100.0	15	US-10-354-240-57	Sequence 57, Appl
3	78	100.0	15	US-10-354-240-158	Sequence 158, App
4	55	70.5	15	US-10-354-240-58	Sequence 58, Appl
5	48	61.5	15	US-10-354-240-56	Sequence 56, Appl
6	30	38.5	9	US-10-079-167-73	Sequence 73, Appl
7	30	38.5	15	US-10-354-240-59	Sequence 59, Appl
8	29	37.2	13	US-10-436-715-422	Sequence 422, App
9	26	33.3	7	US-10-360-522-11	Sequence 11, Appl
10	26	33.3	9	US-10-153-159-29	Sequence 29, Appl
11	26	33.3	9	US-10-153-159-30	Sequence 30, Appl
12	26	33.3	9	US-10-153-176-29	Sequence 29, Appl
13	26	33.3	9	US-10-153-176-30	Sequence 30, Appl
14	26	33.3	9	US-10-443-134A-29	Sequence 29, Appl
15	26	33.3	9	US-10-443-134A-30	Sequence 30, Appl

16	25	33.3	15	9	US-09-802-674-8	Sequence 8, Appli
17	25	32.1	11	10	US-09-948-747-3	Sequence 3, Appli
18	25	32.1	13	14	US-10-253-532-25	Sequence 25, Appl
19	25	32.1	13	14	US-10-253-532-26	Sequence 26, Appl
20	24	30.8	9	12	US-09-935-430-348	Sequence 348, App
21	24	30.8	9	14	US-10-277-292-348	Sequence 348, App
22	24	30.8	9	15	US-10-280-340-348	Sequence 348, App
23	24	30.8	10	10	US-09-573-822C-426	Sequence 426, App
24	24	30.8	10	12	US-09-935-430-191	Sequence 191, App
25	24	30.8	10	14	US-10-277-292-191	Sequence 191, App
26	24	30.8	10	15	US-10-280-340-191	Sequence 191, App
27	24	30.8	11	11	US-09-943-944E-1	Sequence 1, Appli
28	24	30.8	13	14	US-10-253-532-27	Sequence 27, Appl
29	24	30.8	15	12	US-10-013-312-2680	Sequence 2680, App
30	24	30.8	15	12	US-10-013-312-2737	Sequence 2737, App
31	24	30.8	15	12	US-10-013-312-2771	Sequence 2771, App
32	24	30.8	15	12	US-10-013-312-2838	Sequence 2838, App
33	24	30.8	15	14	US-10-211-069-16	Sequence 16, Appl
34	24	30.8	15	14	US-10-294-891-9	Sequence 9, Appli
35	23.5	30.1	10	9	US-09-780-053-278	Sequence 278, App
36	23.5	30.1	10	9	US-09-780-053-709	Sequence 709, App
37	23	29.5	8	14	US-10-283-423-175	Sequence 175, App
38	23	29.5	8	14	US-10-213-821-175	Sequence 175, App
39	23	29.5	9	9	US-09-780-053-43	Sequence 43, Appl
40	23	29.5	9	9	US-09-780-053-230	Sequence 230, App
41	23	29.5	9	9	US-09-780-053-317	Sequence 317, App
42	23	29.5	9	10	US-09-809-638-17	Sequence 17, Appl
43	23	29.5	9	10	US-09-809-638-335	Sequence 335, App
44	23	29.5	9	10	US-09-809-638-461	Sequence 461, App
45	23	29.5	9	14	US-10-219-288-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-10-354-240-9
; Sequence 9, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akino
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akio
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent version 3.1
; SEQ ID NO 9
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-9

Query Match 100.0%; Score 78; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFGPN 15
DB 1 KSMKVTVAFNQFGPN 15

RESULT 2
US-10-354-240-57
; Sequence 57, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JF97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 57
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 43
 US-10-354-240-57

Query Match 100.0%; Score 78; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 1.2e-07;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFGPN 15
 Db 1 KSMKVTVAFNQFGPN 15

RESULT 3

US-10-354-240-158
 Sequence 158, Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JF97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 158
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Figure 7, Row a
 US-10-354-240-158

Query Match 100.0%; Score 78; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 1.2e-07;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFGPN 15
 Db 1 KSMKVTVAFNQFGPN 15

RESULT 4

US-10-354-240-58
 Sequence 58, Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JF97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 58
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 44
 US-10-354-240-58

Query Match 70.5%; Score 55; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.0022;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 TVAFNQFGPN 15
 Db 1 TVAFNQFGPN 10

RESULT 5

US-10-354-240-56
 Sequence 56, Application US/10354240
 Publication No. US20030185847A1
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103D1
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JF97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 56
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)..(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 42
 US-10-354-240-56

Query Match 61.5%; Score 48; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.045;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAEN 10
|||||
Db 6 KSMKVTVAEN 15

RESULT 6
US-10-079-167-73
; Sequence 73, Application US/10079167
; Publication No. US20030138454A1
; GENERAL INFORMATION:
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: McShane, Helen
; APPLICANT: Gilbert, Sarah C.
; APPLICANT: Reece, William
; APPLICANT: Schneider, Joerg
; TITLE OF INVENTION: Vaccination Method
; FILE REFERENCE: 2907.1000-001
; CURRENT APPLICATION NUMBER: US/10/079,167
; CURRENT FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: US 09/454,204
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: GB 97 11957.2
; PRIOR FILING DATE: 1997-06-09
; PRIOR APPLICATION NUMBER: PCT/GB01/04116
; PRIOR FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: GB 00 23203.3
; PRIOR FILING DATE: 2001-09-21
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP

US-10-079-167-73

Query Match 38.5%; Score 30; DB 14; Length 9;
Best Local Similarity 62.5%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 5 VTVAENQF 12
:|||||
Db 1 INVAENRF 8

RESULT 7
US-10-354-240-59
; Sequence 59, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinozi
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 59
; LENGTH: 15
; TYPE: PRT

; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 45
US-10-354-240-59

Query Match 38.5%; Score 30; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 QFGPN 15
|||||
Db 1 QFGPN 5

RESULT 8
US-10-436-715-422
; Sequence 422, Application US/10436715
; Publication No. US20040018976A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
; FILE REFERENCE: D0262 NP
; CURRENT APPLICATION NUMBER: US/10/436,715
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: U.S. 60/380,336
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 471
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 422
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-436-715-422

Query Match 37.2%; Score 29; DB 15; Length 13;
Best Local Similarity 55.6%; Pred. No. 1.3e+02;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 KSMKVTVAF 9
:|||||
Db 5 KSLKILLAF 13

RESULT 9
US-10-360-522-11
; Sequence 11, Application US/10360522
; Publication No. US20030221215A1
; GENERAL INFORMATION:
; APPLICANT: Alleis, Josephus J.H.M.
; APPLICANT: Vossen v.d., Edwin A.G.
; TITLE OF INVENTION: NUCLEIC ACID ENCODING PRODUCT THAT PROVIDES PLANTS WITH
; TITLE OF INVENTION: FUNGAL RESISTANCE AND RELATED METHODS
; FILE REFERENCE: U 014413-9
; CURRENT APPLICATION NUMBER: US/10/360,522
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02075565.8
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: PCT/NL03/00091
; PRIOR FILING DATE: 2003-02-07
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 11
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence which
; OTHER INFORMATION: is relatively unique to Rpi-blb protein

US-10-360-522-11

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Query Match          33.3%; Score 26; DB 15; Length 7;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 10 NQPGN 15
Db 1 NNFQPH 6

RESULT 10
US-10-153-159-29
; Sequence 29, Application US/10153159
; Publication No. US2002017170A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Cailli
; TITLE OF INVENTION: STRUCTURE-BASED SELECTION AND AFFINITY MATURATION OF ANTIBODY LIB
; TITLE OF INVENTION: SILICO
; FILE REFERENCE: 26050-704
; CURRENT APPLICATION NUMBER: US/10/153,159
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: US 10/125,687
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: US 60/284,407
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-153-159-29

Query Match          33.3%; Score 26; DB 13; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AFNOFG 13
Db 3 AFNRYG 8

RESULT 11
US-10-153-159-30
; Sequence 30, Application US/10153159
; Publication No. US2002017170A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Cailli
; TITLE OF INVENTION: STRUCTURE-BASED SELECTION AND AFFINITY MATURATION OF ANTIBODY LIB
; TITLE OF INVENTION: SILICO
; FILE REFERENCE: 26050-704
; CURRENT APPLICATION NUMBER: US/10/153,159
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: US 10/125,687
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: US 60/284,407
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-153-159-30
```

```
Query Match          33.3%; Score 26; DB 13; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 8 AFNOFG 13
Db 3 AFNRYG 8
```

```
RESULT 12
US-10-153-176-29
; Sequence 29, Application US/10153176
; Publication No. US20030022240A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Cailli
; APPLICANT: Cao, Yicheng
; APPLICANT: Li, Shengfeng
; APPLICANT: Liu, Shengjiang
; TITLE OF INVENTION: GENERATION AND AFFINITY MATURATION OF ANTIBODY LIBRARY IN SILICO
; FILE REFERENCE: 26050-701
; CURRENT APPLICATION NUMBER: US/10/153,176
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: US 10/125,687
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: US 60/284,407
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-153-176-29
```

```
Query Match          33.3%; Score 26; DB 14; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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```
Qy 8 AFNOFG 13
Db 3 AFNRYG 8
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```
RESULT 13
US-10-153-176-30
; Sequence 30, Application US/10153176
; Publication No. US20030022240A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Cailli
; APPLICANT: Cao, Yicheng
; APPLICANT: Li, Shengfeng
; APPLICANT: Liu, Shengjiang
; TITLE OF INVENTION: GENERATION AND AFFINITY MATURATION OF ANTIBODY LIBRARY IN SILICO
; FILE REFERENCE: 26050-701
; CURRENT APPLICATION NUMBER: US/10/153,176
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: US 10/125,687
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: US 60/284,407
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 9
```



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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-153-176-30

Query Match
Best Local Similarity 33.3%; Score 26; DB 14; Length 9;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 AFNCFG 13
Db 3 AFNRYG 8

RESULT 14
US-10-443-134A-29
; Sequence 29, Application US/10443134A
; Publication No. US20040010376A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Caili
; APPLICANT: Cao, Yicheng
; APPLICANT: Liu, Shengjiang
; TITLE OF INVENTION: GENERATION AND SELECTION OF PROTEIN LIBRARY IN SILICO
; FILE REFERENCE: 26050-709
; CURRENT APPLICATION NUMBER: US/10/443,134A
; CURRENT FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2002-04-17
; PRIOR FILING DATE: 2001-04-17
; PRIOR FILING DATE: 2002-04-17
; PRIOR FILING DATE: 2002-05-20
; PRIOR FILING DATE: 2002-05-20
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-443-134A-29

Query Match
Best Local Similarity 33.3%; Score 26; DB 15; Length 9;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 AFNCFG 13
Db 3 AFNRYG 8

RESULT 15
US-10-443-134A-30
; Sequence 30, Application US/10443134A
; Publication No. US20040010376A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Caili
; APPLICANT: Cao, Yicheng
; APPLICANT: Liu, Shengjiang
; TITLE OF INVENTION: GENERATION AND SELECTION OF PROTEIN LIBRARY IN SILICO
; FILE REFERENCE: 26050-709
; CURRENT APPLICATION NUMBER: US/10/443,134A
; CURRENT FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-443-134A-29

Query Match
Best Local Similarity 33.3%; Score 26; DB 15; Length 9;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 AFNCFG 13
Db 3 AFNRYG 8

RESULT 15
US-10-443-134A-30
; Sequence 30, Application US/10443134A
; Publication No. US20040010376A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Caili
; APPLICANT: Cao, Yicheng
; APPLICANT: Liu, Shengjiang
; TITLE OF INVENTION: GENERATION AND SELECTION OF PROTEIN LIBRARY IN SILICO
; FILE REFERENCE: 26050-709
; CURRENT APPLICATION NUMBER: US/10/443,134A
; CURRENT FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-443-134A-30

Query Match
Best Local Similarity 33.3%; Score 26; DB 15; Length 9;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 AFNCFG 13
Db 3 AFNRYG 8

Search completed: April 29, 2004, 10:34:08
Job time : 30.85 secs
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-7

Perfect score: 86

Sequence: 1 LFFNHHKVMLLGHDD 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

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- 4: /cgn2_6/prodata2/iaa/6B COMB.pep.*
- 5: /cgn2_6/prodata2/iaa/PCTUS COMB.pep.*
- 6: /cgn2_6/prodata2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	28	32.6	9	3	US-09-293-322C-11
2	28	32.6	9	4	US-09-839-497A-11
3	28	32.6	12	3	US-08-742-243-6
4	28	32.6	12	3	US-08-742-243-7
5	28	32.6	12	3	US-08-742-243-8
6	28	32.6	13	2	US-08-596-387B-23
7	28	32.6	13	4	US-09-367-615-23
8	28	32.6	13	5	PCT-US95-09816A-23
9	27	31.4	8	4	US-08-271-539-34
10	27	31.4	8	4	US-08-271-539-35
11	27	31.4	11	6	US-08-371-539-36
12	27	31.4	11	6	5219739-40
13	27	31.4	12	3	US-08-742-243-5
14	27	31.4	12	3	US-09-164-186-17
15	27	31.4	14	4	US-08-271-539-6
16	27	31.4	14	6	5219739-39
17	26	30.2	8	4	US-08-271-539-33
18	26	30.2	9	1	US-09-360-237-35
19	26	30.2	10	1	US-08-321-625-12
20	26	30.2	10	3	US-09-181-083-12
21	26	30.2	10	4	US-09-750-754-12
22	26	30.2	15	4	US-08-766-596A-62
23	25	29.1	6	5	PCT-US94-01321-51
24	25	29.1	6	2	US-08-623-833B-44
25	25	29.1	7	2	US-08-623-833B-46
26	25	29.1	8	1	US-08-366-779-8
27	25	29.1	8	1	US-08-789-936-8

28 25 29.1 8 2 US-08-831-570-5 Sequence 5, Appl
29 25 29.1 8 2 US-08-831-575-15 Sequence 15, Appl
30 25 29.1 8 4 US-08-934-254-8 Sequence 8, Appl
31 25 29.1 8 4 US-08-885-775-8 Sequence 8, Appl
32 25 29.1 9 3 US-09-188-579-97 Sequence 97, Appl
33 25 29.1 9 3 US-09-315-444-97 Sequence 97, Appl
34 25 29.1 9 3 US-09-293-322C-13 Sequence 13, Appl
35 25 29.1 9 3 US-09-293-322C-14 Sequence 14, Appl
36 25 29.1 9 4 US-09-721-362-97 Sequence 97, Appl
37 25 29.1 9 4 US-09-839-497A-13 Sequence 13, Appl
38 25 29.1 12 1 US-08-360-582-23 Sequence 23, Appl
39 25 29.1 12 2 US-08-823-833B-41 Sequence 41, Appl
40 25 29.1 12 5 PCT-US95-05471-23 Sequence 26, Appl
41 25 29.1 13 3 US-08-554-385-26 Sequence 26, Appl
42 25 29.1 13 5 PCT-US93-05647-13 Sequence 13, Appl
43 25 29.1 14 3 US-09-177-249-90 Sequence 90, Appl
44 25 29.1 15 4 US-09-019-346A-12 Sequence 12, Appl
45 25 29.1 15 4 US-09-050-739-86 Sequence 86, Appl

ALIGNMENTS

RESULT 1
US-09-293-322C-11
; Sequence 11, Application US/09293322C
; Patent No. 6232110
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,
; Patent No. 6232110
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods
; FILE REFERENCE: 105-97
; CURRENT APPLICATION NUMBER: US/09/293,322C
; CURRENT FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: US 60/082,202
; PRIOR FILING DATE: 1998-04-17
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-293-322C-11

Query Match 32.6%; Score 28; DB 3; Length 9;
Best Local Similarity 66.7%; Pred.No. 3e+05;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 VMLLGH 13
Db :|||
1 IMLIGH 6

RESULT 2
US-09-839-497A-11
; Sequence 11, Application US/09839497A
; Patent No. 6528295
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,
; Patent No. 6528295
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods
; FILE REFERENCE: Docket No. 6528295 105-97A
; CURRENT APPLICATION NUMBER: US/09/839,497A
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/082,202
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: 09/293,322
; PRIOR FILING DATE: 1999-04-16
; NUMBER OF SEQ ID NOS: 17

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-839-497A-11

Query Match      32.6%; Score 28; DB 4; Length 9;
Best Local Similarity 66.7%; Pred. No. 1.3e+05;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      8 VMLIGH 13
       :|||:
Db      1 IMLIGH 6

RESULT 3
US-08-742-243-6
; Sequence 6, Application US/08742243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07898/005001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
; OTHER INFORMATION: peptide fragment
US-08-742-243-6

Query Match      32.6%; Score 28; DB 3; Length 12;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      4 NHHKVM 9
       :|||:
Db      6 NHHEVV 11

RESULT 4
US-08-742-243-7
; Sequence 7, Application US/08742243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07898/005001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7

; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
; OTHER INFORMATION: peptide fragment
US-08-742-243-7

Query Match      32.6%; Score 28; DB 3; Length 12;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      4 NHHKVM 9
       :|||:
Db      2 NHHEVV 7

RESULT 5
US-08-742-243-8
; Sequence 8, Application US/08742243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07898/005001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
; OTHER INFORMATION: peptide fragment
US-08-742-243-8

Query Match      32.6%; Score 28; DB 3; Length 12;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      4 NHHKVM 9
       :|||:
Db      2 NHHEVV 7

RESULT 6
US-08-596-387B-23
; Sequence 23, Application US/08596387B
; Patent No. 5869270
; GENERAL INFORMATION:
; APPLICANT: Rhode, Peter R.
; APPLICANT: Gao, Jin-An
; APPLICANT: Burkhardt, Martin
; APPLICANT: Wong, Hing
; TITLE OF INVENTION: MHC COMPLEXES AND USES THEREOF
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dade International, Inc.
; STREET: 1717 Deerfield Road
; CITY: Deerfield
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60015
; COMPUTER READABLE FORM:
; SEQ ID NO 9
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICANT: Wong, Hing
FILING DATE: 01-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/09816
FILING DATE: 31-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/382,454
FILING DATE: 01-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/283,302
FILING DATE: 29-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Pearson, Louise S.
REGISTRATION NUMBER: 32,369
REFERENCE/DOCKET NUMBER: STR-4665-CIP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (708) 267-5300
TELEFAX: (708) 267-5376
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
US-08-596-387B-23

Query Match 32.6%; Score 28; DB 2; Length 13;
Best Local Similarity 54.5%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 HHKVMLLGHDD 15
Db 1 HSLGKLGHDP 11

RESULT 7
US-09-067-615-23
Sequence 23, Application US/09067615
Patent No. 6309645
GENERAL INFORMATION:
APPLICANT: Rhode, Peter R.
APPLICANT: Jiao, Jin-An
APPLICANT: Burkhardt, Martin
APPLICANT: Wong, Hing
TITLE OF INVENTION: MHC COMPLEXES AND USES THEREOF
NUMBER OF SEQUENCES: 124
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dade International, Inc.
STREET: 1717 Deerfield Road
CITY: Deerfield
STATE: Illinois
COUNTRY: USA
ZIP: 60015
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/067,615
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/596,387
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/382,454

FILING DATE: 01-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/283,302
FILING DATE: 29-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Pearson, Louise S.
REGISTRATION NUMBER: 32,369
REFERENCE/DOCKET NUMBER: STR-4665-CIP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (708) 267-5300
TELEFAX: (708) 267-5376
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
US-09-067-615-23

Query Match 32.6%; Score 28; DB 4; Length 13;
Best Local Similarity 54.5%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 HHKVMLLGHDD 15
Db 1 HSLGKLGHDP 11

RESULT 8
PCT-US95-09816A-23
Sequence 23, Application PC/TUS9509816A
GENERAL INFORMATION:
APPLICANT: Wong, Hing C.
APPLICANT: Rhode, Peter R.
APPLICANT: Widanz, Jon A.
APPLICANT: Grammer, Susan
APPLICANT: Edwards, Ara C.
APPLICANT: Chavallaz, Pierre-Andre
APPLICANT: Jiao, Jin-An
TITLE OF INVENTION: MHC COMPLEXES AND USES THEREOF
NUMBER OF SEQUENCES: 123
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dade International, Inc.
STREET: 1717 Deerfield Road
CITY: Deerfield
STATE: Illinois
COUNTRY: USA
ZIP: 60015
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/09816A
FILING DATE: 31-JUL-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/382,454
FILING DATE: 01-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/283,302
FILING DATE: 29-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Pearson, Louise S.
REGISTRATION NUMBER: 32,369
REFERENCE/DOCKET NUMBER: STR-4665-CIP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (708) 267-5300
TELEFAX: (708) 267-5376
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids

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; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
PCT-US95-09816A-23
Query Match 32.6%; Score 28; DB 5; Length 13;
Best Local Similarity 54.5%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 5 HHKVMLLGHDD 15
| | | | |
Db 1 HSLGKLLGHDP 11

RESULT 9
US-08-271-539-34
; Sequence 34, Application US/08271539
; Patent No. 6358509
; GENERAL INFORMATION:
; APPLICANT: Ramanathan, Lata
; APPLICANT: Seelig, Gail F.
; APPLICANT: Trotta, Paul P.
; TITLE OF INVENTION: Antibody Antagonists of Human Interleukin-4
; FILE REFERENCE: JB0059KQ US
; CURRENT APPLICATION NUMBER: US/08/271.539
; CURRENT FILING DATE: 1994-07-07
; PRIOR APPLICATION NUMBER: US 07/453,570
; PRIOR FILING DATE: 1989-12-20
; PRIOR APPLICATION NUMBER: PCT/US90/07289
; PRIOR FILING DATE: 1990-12-18
; PRIOR APPLICATION NUMBER: US 07/859,689
; PRIOR FILING DATE: 1992-06-11
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: polypeptide
US-08-271-539-34

Query Match 31.4%; Score 27; DB 4; Length 8;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHKK 7
| : | | |
Db 3 FYSHHE 8

RESULT 10
US-08-271-539-35
; Sequence 35, Application US/08271539
; Patent No. 6358509
; GENERAL INFORMATION:
; APPLICANT: Ramanathan, Lata
; APPLICANT: Seelig, Gail F.
; APPLICANT: Trotta, Paul P.
; TITLE OF INVENTION: Antibody Antagonists of Human Interleukin-4
; FILE REFERENCE: JB0059KQ US
; CURRENT APPLICATION NUMBER: US/08/271.539
; CURRENT FILING DATE: 1994-07-07
; PRIOR APPLICATION NUMBER: US 07/453,570
; PRIOR FILING DATE: 1989-12-20
; PRIOR APPLICATION NUMBER: PCT/US90/07289
; PRIOR FILING DATE: 1990-12-18
; PRIOR APPLICATION NUMBER: US 07/859,689
; PRIOR FILING DATE: 1992-06-11
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35

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; LENGTH: 11
5219739-40

Query Match      31.4%; Score 27; DB 6; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.7e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NHHKV 8
   |||||
Db 7 NHHEV 11

RESULT 13
US-08-742-243-5
; Sequence 5, Application US/08742243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07896/085001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
; OTHER INFORMATION: peptide fragment
US-08-742-243-5

Query Match      31.4%; Score 27; DB 3; Length 12;
Best Local Similarity 80.0%; Pred. No. 1.9e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NHHKV 8
   |||||
Db 8 NHHEV 12

RESULT 14
US-09-164-186-17
; Sequence 17, Application US/09164186
; Patent No. 6171590
; GENERAL INFORMATION:
; APPLICANT: Maureen, Howard
; APPLICANT: Deshpande, Shrikant
; APPLICANT: Ferlin, Walter
; APPLICANT: Arimilli, Subhashini
; APPLICANT: Anerg, Inc.
; TITLE OF INVENTION: Chemokine Receptor Peptide Vaccines for Treatment and
; PREVENTION OF AUTOIMMUNE DISEASES
; FILE REFERENCE: 014058-006100US
; CURRENT APPLICATION NUMBER: US/09/164,186
; CURRENT FILING DATE: 1998-09-30
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:proteolipid
; OTHER INFORMATION: protein (PLP) 139-151 peptide amidated at the C

; LENGTH: 11
5219739-40

Query Match      31.4%; Score 27; DB 6; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.7e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NHHKV 8
   |||||
Db 7 NHHEV 11

RESULT 13
US-08-742-243-5
; Sequence 5, Application US/08742243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07896/085001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
; OTHER INFORMATION: peptide fragment
US-08-742-243-5

Query Match      31.4%; Score 27; DB 3; Length 12;
Best Local Similarity 80.0%; Pred. No. 1.9e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NHHKV 8
   |||||
Db 8 NHHEV 12

RESULT 14
US-09-164-186-17
; Sequence 17, Application US/09164186
; Patent No. 6171590
; GENERAL INFORMATION:
; APPLICANT: Maureen, Howard
; APPLICANT: Deshpande, Shrikant
; APPLICANT: Ferlin, Walter
; APPLICANT: Arimilli, Subhashini
; APPLICANT: Anerg, Inc.
; TITLE OF INVENTION: Chemokine Receptor Peptide Vaccines for Treatment and
; PREVENTION OF AUTOIMMUNE DISEASES
; FILE REFERENCE: 014058-006100US
; CURRENT APPLICATION NUMBER: US/09/164,186
; CURRENT FILING DATE: 1998-09-30
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:proteolipid
; OTHER INFORMATION: protein (PLP) 139-151 peptide amidated at the C

; OTHER INFORMATION: terminus
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (12)
; OTHER INFORMATION: Xaa = phenylalaninamide
US-09-164-186-17

Query Match      31.4%; Score 27; DB 3; Length 12;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 HKVWLGHDD 15
   |||||
Db 1 HSLGWLGHDP 10

RESULT 15
US-08-271-539-6
; Sequence 6, Application US/08271539
; Patent No. 6358509
; GENERAL INFORMATION:
; APPLICANT: Ramanathan, Lata
; APPLICANT: Seelig, Gail F.
; APPLICANT: Trotta, Paul P.
; TITLE OF INVENTION: Antibody Antagonists of Human Interleukin-4
; FILE REFERENCE: J80059KQ US
; CURRENT APPLICATION NUMBER: US/08/271,539
; CURRENT FILING DATE: 1994-07-07
; PRIOR APPLICATION NUMBER: US 07/453,570
; PRIOR FILING DATE: 1989-12-20
; PRIOR APPLICATION NUMBER: PCT/US90/07289
; PRIOR FILING DATE: 1990-12-18
; PRIOR APPLICATION NUMBER: US 07/859,689
; PRIOR FILING DATE: 1992-06-11
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: polypeptide
US-08-271-539-6

Query Match      31.4%; Score 27; DB 4; Length 14;
Best Local Similarity 50.0%; Pred. No. 2.2e+02;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7
   |||||
Db 4 FVSHHE 9

Search completed: April 29, 2004, 09:27:29
Job time : 12.85 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds

(without alignments)
134.77% Million cell updates/sec

Title: US-09-308-027a-7

Perfect score: 86

Sequence: 1 LFFNHHKVMLLGHDD 15

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Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:
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15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:
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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	56	65.1	15	14	US-10-354-240-54
4	30	34.9	15	14	US-10-354-240-51
5	30	34.9	15	14	US-10-354-240-55
6	28	32.6	9	9	US-09-839-497A-11
7	28	32.6	9	14	US-10-354-698-11
8	28	32.6	9	15	US-10-107-532-1259
9	28	32.6	9	15	US-10-107-532-1786
10	28	32.6	9	15	US-10-107-532-2270
11	28	32.6	9	15	US-10-107-532-2294
12	28	32.6	9	15	US-10-107-532-2854
13	28	32.6	9	15	US-10-107-532-4582
14	28	32.6	9	15	US-10-107-532-4644
15	28	32.6	9	15	US-10-107-532-4707

16	28	32.6	10	15	US-10-107-532-988	Sequence 988, App
17	28	32.6	10	15	US-10-107-532-1504	Sequence 1504, App
18	28	32.6	10	15	US-10-107-532-2021	Sequence 2021, App
19	28	32.6	10	15	US-10-107-532-2069	Sequence 2069, App
20	28	32.6	10	15	US-10-107-532-2559	Sequence 2559, App
21	28	32.6	10	15	US-10-107-532-2566	Sequence 2566, App
22	28	32.6	10	15	US-10-107-532-2613	Sequence 2613, App
23	28	32.6	10	15	US-10-107-532-3084	Sequence 3084, App
24	28	32.6	10	15	US-10-107-532-3654	Sequence 3654, App
25	28	32.6	10	15	US-10-107-532-5281	Sequence 5281, App
26	28	32.6	10	15	US-10-107-532-5294	Sequence 5294, App
27	28	32.6	10	15	US-10-107-532-5490	Sequence 5490, App
28	28	32.6	11	9	US-09-795-006A-128	Sequence 128, App
29	28	32.6	13	9	US-09-848-164-23	Sequence 23, Appl
30	28	32.6	13	9	US-09-900-379-23	Sequence 32, Appl
31	28	32.6	14	10	US-09-836-433-32	Sequence 314, App
32	28	32.6	14	15	US-10-137-867-314	Sequence 5936, App
33	28	32.6	15	15	US-10-107-532-5936	Sequence 5949, App
34	28	32.6	15	15	US-10-107-532-5949	Sequence 6008, App
35	28	32.6	15	15	US-10-107-532-6008	Sequence 6009, App
36	28	32.6	15	15	US-10-107-532-6009	Sequence 6021, App
37	28	32.6	15	15	US-10-107-532-6021	Sequence 6032, App
38	28	32.6	15	15	US-10-107-532-6032	Sequence 6069, App
39	28	32.6	15	15	US-10-107-532-6069	Sequence 6095, App
40	28	32.6	15	15	US-10-107-532-6095	Sequence 6102, App
41	28	32.6	15	15	US-10-107-532-6102	Sequence 6113, App
42	28	32.6	15	15	US-10-107-532-6113	Sequence 6114, App
43	28	32.6	15	15	US-10-107-532-6114	Sequence 113, App
44	27	31.4	10	9	US-09-734-520-113	Sequence 113, App
45	27	31.4	10	13	US-10-012-034A-113	Sequence 113, App

ALIGNMENTS

RESULT 1
US-10-354-240-53
; Sequence 53, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 53
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 39
US-10-354-240-53

Query Match 100.0%; Score 86; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LFFNHHKVMLLGHDD 15

Db 1 LFFNHHKVMLLGHDD 15

```
RESULT 2
US-10-354-240-52
; Sequence 52, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 52
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38
US-10-354-240-52
Query Match 65.1%; Score 56; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LFFNHHKVML 10
Db 6 LFFNHHKVML 15

RESULT 3
US-10-354-240-54
; Sequence 54, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 54
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 40
US-10-354-240-54
Query Match 65.1%; Score 56; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 6 HKVMLGHDD 15
Db 1 HKVMLGHDD 10

RESULT 4
US-10-354-240-51
; Sequence 51, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 51
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 37
US-10-354-240-51
Query Match 34.9%; Score 30; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LFFNHH 5
Db 11 LFFNHH 15

RESULT 5
US-10-354-240-55
; Sequence 55, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 55
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 41
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US-10-354-240-55

Query Match 34.9%; Score 30; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 LGHDD 15
:|||||
Db 1 LGHDD 5

RESULT 6

US-09-839-497A-11
; Sequence 11, Application US/09839497A
; Patent No. US20020107374A1
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods
; FILE REFERENCE: Pocket No. US20020107374A1 105-97A
; CURRENT APPLICATION NUMBER: US/09/839,497A
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/082,202
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: 09/293,322
; PRIOR FILING DATE: 1999-04-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-839-497A-11

Query Match 32.8%; Score 28; DB 9; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 VMLLGH 13
:|||||
Db 1 IMLIGH 6

RESULT 7

US-10-354-698-11
; Sequence 11, Application US/10354698
; Publication No. US20030186416A1
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods
; FILE REFERENCE: Pocket No. US20030186416A1 105-97B
; CURRENT APPLICATION NUMBER: US/10/354,698
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: 60/082,202
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: 09/293,322
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: US/09/839,497
; PRIOR FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-354-698-11

Query Match 32.6%; Score 28; DB 14; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 VMLLGH 13
:|||||
Db 1 IMLIGH 6

RESULT 8

US-10-107-532-1259
; Sequence 1259, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Paris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; TITLE OF INVENTION: Entitled 158P3D2 Useful in Treatment and Detection of Cancer
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1259
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-1259

Query Match 32.6%; Score 28; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 PFNEHK 7
:|||||
Db 4 FYSHR 9

RESULT 9

US-10-107-532-1786
; Sequence 1786, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Paris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; TITLE OF INVENTION: Entitled 158P3D2 Useful in Treatment and Detection of Cancer
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
US-10-107-532-1786

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; SEQ ID NO 1786
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-1786

Query Match          32.6%; Score 28; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7
Db 4 FYSHHR 9

; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-2270

RESULT 10
US-10-107-532-2270
; Sequence 2270, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Faris, Mary
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Bid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2270
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-2270

Query Match          32.6%; Score 28; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7
Db 1 FYSHHR 6

; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-2294

RESULT 11
US-10-107-532-2294
; Sequence 2294, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Faris, Mary
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Bid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2294
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-2294

Query Match          32.6%; Score 28; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7
Db 4 FYSHHR 9

; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-2854

RESULT 12
US-10-107-532-2854
; Sequence 2854, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Faris, Mary
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Bid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2854
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-2854

Query Match          32.6%; Score 28; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7
Db 4 FYSHHR 9

; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-4582

RESULT 13
US-10-107-532-4582
; Sequence 4582, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Faris, Mary
```

```

; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4582
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-4582

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Query Match 32.6%; Score 28; DB 15; Length 9;
 Best Local Similarity 50.0%; Pred. No. 1e+06;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7
 |::||:
 Db 3 FYSHHR 8

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RESULT 14
US-10-107-532-4644
; Sequence 4644, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Paris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4644
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-4644

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Query Match 32.6%; Score 28; DB 15; Length 9;
 Best Local Similarity 50.0%; Pred. No. 1e+06;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7
 |::||:
 Db 3 FYSHHR 8

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RESULT 15
US-10-107-532-4707
; Sequence 4707, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Paris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4707
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-4707

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Query Match 32.6%; Score 28; DB 15; Length 9;
 Best Local Similarity 50.0%; Pred. No. 1e+06;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7
 |::||:
 Db 2 FYSHHR 7

Search completed: April 29, 2004, 10:34:08
 Job time : 30.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-6

Perfect score: 81

Sequence: 1 DALTLRTATNIWIDH 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgn2_6/prodata/2/1aa/6A_COMB.pep:*
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5: /cgn2_6/prodata/2/1aa/PCTUS_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	28.5	35.2	14	4	US-09-443-199C-1230
2	28	34.6	5	3	US-08-981-122-77
3	27	33.3	8	1	US-08-271-830-74
4	27	33.3	10	4	US-08-135-319A-2
5	27	33.3	10	4	US-08-135-319A-3
6	26	32.1	13	3	US-08-526-136-17
7	26	32.1	15	1	US-08-218-025A-1
8	26	32.1	15	1	US-08-259-672-14
9	26	32.1	15	1	US-08-459-351-14
10	26	32.1	15	1	US-08-460-533-14
11	26	32.1	15	2	US-08-726-4643-30
12	26	32.1	15	5	PCT-US94-06654-14
13	25	30.9	8	3	US-09-068-051A-29
14	25	30.9	9	2	US-08-104-165-20
15	25	30.9	9	3	US-08-464-250-20
16	25	30.9	9	4	US-08-464-250-20
17	25	30.9	11	1	US-08-190-788A-281
18	25	30.9	14	4	US-09-443-199C-1229
19	25	30.9	15	1	US-08-190-788A-194
20	25	30.9	15	1	US-08-383-471B-187
21	25	30.9	15	1	US-08-465-391A-184
22	25	30.9	15	2	US-08-464-538B-194
23	25	30.9	15	2	US-08-463-076E-238
24	25	30.9	15	4	US-09-323-873A-32
25	25	30.9	15	4	US-09-428-082B-800
26	24	29.6	5	4	US-09-910-505B-27
27	24	29.6	6	2	US-08-660-747-31

28	24	29.6	6	2	US-08-660-747-62	Sequence 62, Appl
29	24	29.6	6	2	US-08-660-747-63	Sequence 63, Appl
30	24	29.6	7	4	US-09-084-605B-5	Sequence 5, Appl
31	24	29.6	7	4	US-08-135-319A-21	Sequence 21, Appl
32	24	29.6	8	3	US-09-082-279B-1509	Sequence 1509, Ap
33	24	29.6	8	4	US-09-315-304B-1863	Sequence 1663, Ap
34	24	29.6	8	4	US-09-834-784-1509	Sequence 1509, Ap
35	24	29.6	8	4	US-09-350-641C-1664	Sequence 1664, Ap
36	24	29.6	10	1	US-08-584-226-20	Sequence 20, Appl
37	24	29.6	11	1	US-08-277-660A-14	Sequence 14, Appl
38	24	29.6	11	1	US-08-424-957-27	Sequence 27, Appl
39	24	29.6	11	3	US-09-035-686-27	Sequence 27, Appl
40	24	29.6	11	3	US-09-184-938-2	Sequence 2, Appl
41	24	29.6	13	1	US-07-732-114A-13	Sequence 13, Appl
42	24	29.6	13	1	US-08-170-114A-13	Sequence 13, Appl
43	24	29.6	13	1	US-09-184-938-6	Sequence 6, Appl
44	24	29.6	14	2	US-08-764-640-34	Sequence 34, Appl
45	24	29.6	14	3	US-08-973-225-34	Sequence 34, Appl

ALIGNMENTS

RESULT 1

US-09-443-199C-1230
; Sequence 1230, Application US/09443199C
; Patent No. 6670464
; GENERAL INFORMATION:
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Leach, Martin
; TITLE OF INVENTION: Nucleic Acids Containing Single Nucleotide
; TITLE OF INVENTION: Polymorphisms and Methods of Use Thereof
; FILE REFERENCE: 15966-534A
; CURRENT APPLICATION NUMBER: US/09/443,199C
; CURRENT FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/109,024
; PRIOR FILING DATE: 1998-11-17
; NUMBER OF SEQ ID NOS: 1272
; SOFTWARE: Curagen Patent Formatter Version 0.9
; SEQ ID NO 1230
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(0)
; OTHER INFORMATION: cSNP translation
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Peptide 2 of 2 allelic variants (1229 is other peptide)
US-09-443-199C-1230

Query Match 35.2%; Score 28.5; DB 4; Length 14;
Best Local Similarity 60.0%; Pred.No. 73;
Matches 6; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

QY 5 LRTATNIWID 14
|||||:|:
Db 5 LRTA-EVWMD 13

RESULT 2

US-08-981-122-77
; Sequence 77, Application US/08981122B
; Patent No. 6127339
; GENERAL INFORMATION:
; APPLICANT: Hatanaka, Yoshihiro
; APPLICANT: Arimoto, Masaharu
; TITLE OF INVENTION: Peptide for binding thereto a low density lipoprotein
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/08/981,122B
; CURRENT FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: JP 7-176904

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1 PRIOR FILING DATE: 1995-06-21
2 PRIOR APPLICATION NUMBER: PCT/JP96/01734
3 PRIOR FILING DATE: 1996-06-21
4 NUMBER OF SEQ ID NOS: 90
5 SOFTWARE: PatentIn Ver. 2.0
6 SEQ ID NO 77
7 LENGTH: 5
8 TYPE: PRT
9 ORGANISM: Artificial Sequence
10 FEATURE:
11 OTHER INFORMATION: Sequence of a peptide synthesized in Comparative Example 2 from
12 Patent No. 6127339
13 OTHER INFORMATION: L-form F-moc amino acids by solid phase method using a
14 OTHER INFORMATION: multipetide synthesizing system (RaMPs)
15 US-08-981-122-77
16
17 Query Match 34.6%; Score 28; DB 3; Length 5;
18 Best Local Similarity 75.0%; Pred. No. 3e+05;
19 Matches 3; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
20
21 QY 12 WIDH 15
22 1-||
23 Db 1 WYDH 4
24
25 RESULT 3
26 US-08-271-830-74
27 Sequence 74, Application US/08271830
28 Patent No. 5510332
29 GENERAL INFORMATION:
30 APPLICANT: Kogan, Timothy P.
31 APPLICANT: Ren, Kaijun
32 APPLICANT: Vanderslice, Peter
33 APPLICANT: Beck, Pamela J.
34 TITLE OF INVENTION: A PROCESS OF INHIBITING THE BINDING OF THE
35 TITLE OF INVENTION: INTEGRIN '4.1 TO VCAM OR FIBRONECTIN AND
36 TITLE OF INVENTION: LINEAR PEPTIDES THEREFOR
37 NUMBER OF SEQUENCES: 102
38 CORRESPONDENCE ADDRESS:
39 ADDRESSEE: Dressler, Goldsmith, Shore & Milnamow, Ltd.
40 STREET: 180 No. 5510332th Stetson, Suite 4700
41 CITY: Chicago
42 STATE: IL
43 COUNTRY: USA
44 ZIP: 60601
45 COMPUTER READABLE FORM:
46 MEDIUM TYPE: Floppy disk
47 COMPUTER: IBM PC compatible
48 OPERATING SYSTEM: PC-DOS/MS-DOS
49 SOFTWARE: PatentIn Release #1.0, Version #1.25
50 CURRENT APPLICATION DATA:
51 APPLICATION NUMBER: US/08/271,830
52 FILING DATE:
53 CLASSIFICATION: 435
54 ATTORNEY/AGENT INFORMATION:
55 NAME: No. 5510332thrup, Thomas E.
56 REGISTRATION NUMBER: 33,268
57 TELECOMMUNICATION INFORMATION:
58 TELEPHONE: (312)616-5400
59 TELEFAX: (312)616-5460
60 INFORMATION FOR SEQ ID NO: 74:
61 SEQUENCE CHARACTERISTICS:
62 LENGTH: 8 amino acids
63 TYPE: amino acid
64 TOPOLOGY: linear
65 MOLECULE TYPE: peptide
66 FEATURE:
67 NAME/KEY: Modified-site
68 LOCATION: 8
69 OTHER INFORMATION: /label=Xaa
70 OTHER INFORMATION: /note="Xaa=Pro-NH2."
71 US-08-271-830-74

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RESULT 6
US-08-526-136-17
; Sequence 17, Application US/08526136
; Patent No. 6107089
; GENERAL INFORMATION:
; APPLICANT: Towle, Christine A. et al.
; TITLE OF INVENTION: ANNEXIN XI
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
; SOFTWARE: WordPerfect (Version 5.0)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/526,136
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/214,036
; FILING DATE:
; APPLICATION NUMBER: 07/937,775
; FILING DATE: February 13, 1992
; APPLICATION NUMBER: 07/764,465
; FILING DATE: September 23, 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Clark, Paul T.
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/099001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13
; TYPE: amino acid
; STRANDEDNESS: N/A
; TOPOLOGY: N/A
US-08-526-136-17
Query Match 32.1%; Score 26; DB 3; Length 13;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 3; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 10 NIWIDH 15
Db 2 SIWVGH 7

RESULT 7
US-08-218-025A-1
; Sequence 1, Application US/08218025A
; Patent No. 5556744
; GENERAL INFORMATION:
; APPLICANT: Weiner, David B.
; APPLICANT: Ugen, Kenneth E.
; APPLICANT: Williams, William V.
; TITLE OF INVENTION: Methods and Compositions for Diagnosing
; TITLE OF INVENTION: and Treating Certain HIV Infected Patients
; NUMBER OF SEQUENCES: 197
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: P.O. Box 457, 321 No. 5556744-istown Road
; CITY: Spring House
; STATE: Pennsylvania

```

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; COUNTRY: U.S.A.
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/218,025A
; FILING DATE: 24-MAR-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/891,451
; FILING DATE: 29-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: WST33A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 540-9206
; TELEFAX: (215) 540-5818
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-218-025A-1
Query Match 32.1%; Score 26; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 2.2e+02;
Matches 3; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 10 NIWIDH 15
Db 7 NVWATH 12

RESULT 8
US-08-259-672-14
; Sequence 14, Application US/08259672
; Patent No. 5736337
; GENERAL INFORMATION:
; APPLICANT: Joseph Avtruch
; APPLICANT: Xian-feng Zhang
; APPLICANT: Mark S. Marshall
; TITLE OF INVENTION: INHIBITING PROTEIN
; TITLE OF INVENTION: INTERACTIONS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/259,672
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/077,256
; FILING DATE: June 11, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark, Esq.
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/234001
; TELECOMMUNICATION INFORMATION:

```

TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-259-672-14

Query Match 32.1%; Score 26; DB 1; Length 15;
Best Local Similarity 38.5%; Pred. No. 2.2e+02;
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 ALTLRTATNIWID 14
||||: |::|
DB 2 ALTIQLIQLNHFVD 14

RESULT 9
US-08-459-351-14
Sequence 14, Application US/08459351
Patent No. 5763571
GENERAL INFORMATION:
APPLICANT: Joseph Avruch
APPLICANT: Xian-Feng Zhang
APPLICANT: Mark S. Marshall
TITLE OF INVENTION: INHIBITING PROTEIN INTERACTIONS
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,351
FILING DATE: June 2, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/259,672
FILING DATE: June 10, 1994
APPLICATION NUMBER: 08/077,256
FILING DATE: June 11, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Paul T. Clark, Esq.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 00786/234003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-459-351-14

Query Match 32.1%; Score 26; DB 1; Length 15;
Best Local Similarity 38.5%; Pred. No. 2.2e+02;
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 ALTLRTATNIWID 14
||||: |::|

DB 2 ALTIQLIQLNHFVD 14

RESULT 10
US-08-460-533-14
Sequence 14, Application US/08460533
Patent No. 5767075
GENERAL INFORMATION:
APPLICANT: Joseph Avruch
APPLICANT: Xian-Feng Zhang
APPLICANT: Mark S. Marshall
TITLE OF INVENTION: INHIBITING PROTEIN INTERACTIONS
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,533
FILING DATE: June 2, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/259,672
FILING DATE: June 10, 1994
APPLICATION NUMBER: 08/077,256
FILING DATE: June 11, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Paul T. Clark, Esq.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 00786/234002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-460-533-14

Query Match 32.1%; Score 26; DB 1; Length 15;
Best Local Similarity 38.5%; Pred. No. 2.2e+02;
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 ALTLRTATNIWID 14
||||: |::|
DB 2 ALTIQLIQLNHFVD 14

RESULT 11
US-08-726-464B-30
Sequence 30, Application US/08726464B
Patent No. 5932546
GENERAL INFORMATION:
APPLICANT: BARRETT, Ronald W.
APPLICANT: DOWER, William J.
APPLICANT: CWIRLA, Steven A.
APPLICANT: JOHNSON, Sherrill S.
APPLICANT: WRIGHTON, Nicholas C.
APPLICANT: DUFFIN, David J.
APPLICANT: WAGSTROM, Christopher R.
TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO THE
TITLE OF INVENTION: THROMBOPOIETIN RECEPTOR

NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/726,464B
FILING DATE: 04-OCT-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 16528A-024100
TELEPHONE: 415/576-0200
TELEFAX: 415/576-0300
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-726-464B-30

Query Match 32.1%; Score 26; DB 2; Length 15;
Best Local Similarity 25.0%; Pred. No. 2.2e+02;
Matches 3; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY 2 ALTURTATNIWI 13
|::|::|::|
Db 3 SLSVREQVHLWL 14

RESULT 12
PCT-US94-06654-14
Sequence 14, Application PC/TUS9406654
GENERAL INFORMATION:
APPLICANT: Joseph Avruch
APPLICANT: Xian-feng Zhang
APPLICANT: Mark S. Marshall
TITLE OF INVENTION: INHIBITING PROTEIN INTERACTIONS
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06654
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Paul T. Clark, Esq.
REGISTRATION NUMBER: 30,162

REFERENCE/DOCKET NUMBER: 00786/234001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
PCT-US94-06654-14

Query Match 32.1%; Score 26; DB 5; Length 15;
Best Local Similarity 38.5%; Pred. No. 2.2e+02;
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 ALTURTATNIWI 14
|::|::|::|
Db 2 ALTIQLIQNHFD 14

RESULT 13
US-09-068-051A-29
Sequence 29, Application US/09068051A
Patent No. 6291235
GENERAL INFORMATION:
APPLICANT: Old, Lloyd J.; Welt, Sydney; Ritter, Gerd;
Simpson, Richard J.; Nice, Edouard; Moritz, R. L.;
Catimel, B.; Ji, Hong; Burgess, Anthony W.;
Heath, Joan K.; White, Sara J.; Johnstone, Cameron
TITLE OF INVENTION: Colon Cell And Colon Cancer Cell
Molecule: Associated Nucleic Acid Molecules, Protein And Peptides
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski LLP
STREET: 666 Fifth Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10103
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/068,051A
FILING DATE: 10-Dec-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/597,495
FILING DATE: 02-Feb-1996
APPLICATION NUMBER: 08/511,876
FILING DATE: 04-Aug-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 6291235man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5316.2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 318-3168
TELEFAX: (212) 752-5958
INFORMATION FOR SEQ ID NO: 29
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 29
US-09-068-051A-29

Query Match 30.9%; Score 25; DB 3; Length 8;
Best Local Similarity 71.4%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DALTLRT 7
| | | | |
Db 2 DALTVET 8

RESULT 14
US-08-104-165-20
; Sequence 20, Application US/08104165
; Patent No. 5877015
; GENERAL INFORMATION:
; APPLICANT: HARDY, John Anthony
; APPLICANT: GOATE, Alison Mary
; APPLICANT: MULLAN, Michael John
; APPLICANT: CHARTIER-HARLIN, Marie-Christine
; APPLICANT: OWEN, Michael John
; TITLE OF INVENTION: Test and Model for Alzheimer's Disease
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: 379 Lytton Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: US
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/104,165
; FILING DATE: 21-JAN-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/104,165
; FILING DATE: 21-JAN-1992
; APPLICATION NUMBER: 9101307.8
; FILING DATE: 21-JAN-1991
; APPLICATION NUMBER: 9118445.7
; FILING DATE: 28-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 16163-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-104-165-20

Query Match 30.9%; Score 25; DB 2; Length 9;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 8 ATNIWI 13
| | | | |
Db 2 ATVIWI 7

RESULT 15
US-08-464-250-20
; Sequence 20, Application US/08464250
; Patent No. 6107542
; GENERAL INFORMATION:
; APPLICANT: HARDY, John Anthony
; APPLICANT: GOATE, Alison Mary
; APPLICANT: MULLAN, Michael John
; APPLICANT: CHARTIER-HARLIN, Marie-Christine
; APPLICANT: OWEN, Michael John

; TITLE OF INVENTION: Test and Model for Alzheimer's Disease
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: 379 Lytton Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: US
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,250
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/104,165
; FILING DATE: 21-JAN-1992
; APPLICATION NUMBER: 9101307.8
; FILING DATE: 21-JAN-1991
; APPLICATION NUMBER: 9118445.7
; FILING DATE: 28-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 16163-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-464-250-20

Query Match 30.9%; Score 25; DB 3; Length 9;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWI 13
| | | | |
Db 2 ATVIWI 7

Search completed: April 29, 2004, 09:27:28
Job time : 11.85 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027a-6

Perfect score: 81

Sequence: 1 DALTLRTATNIWIDH 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

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- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	81	100.0	15	14	US-10-354-240-45
2	58	71.6	15	14	US-10-354-240-46
3	48	59.3	15	14	US-10-354-240-44
4	33	40.7	15	14	US-10-354-240-47
5	27	33.3	9	12	US-10-182-252A-1182
6	27	33.3	10	14	US-10-319-340-2
7	27	33.3	10	14	US-10-319-340-3
8	27	33.3	12	9	US-09-791-378-303
9	27	33.3	12	9	US-09-826-290-300
10	27	33.3	12	14	US-10-033-741-19
11	27	33.3	12	16	US-10-264-309-113
12	27	33.3	13	14	US-10-285-649A-4
13	27	33.3	14	10	US-09-932-613-198
14	27	33.3	14	10	US-09-932-613-224
15	27	33.3	14	10	US-09-932-613-234

16	27	33.3	14	10	US-09-932-613-254	Sequence 254, App
17	27	33.3	14	10	US-09-932-613-302	Sequence 302, App
18	27	33.3	14	10	US-09-932-613-391	Sequence 391, App
19	27	33.3	14	10	US-09-932-322-198	Sequence 198, App
20	27	33.3	14	10	US-09-932-322-224	Sequence 224, App
21	27	33.3	14	10	US-09-932-322-234	Sequence 234, App
22	27	33.3	14	10	US-09-932-322-254	Sequence 254, App
23	27	33.3	14	10	US-09-932-322-302	Sequence 302, App
24	27	33.3	14	10	US-09-932-322-391	Sequence 391, App
25	27	33.3	15	12	US-10-682-420-126	Sequence 126, App
26	27	33.3	15	12	US-10-682-420-127	Sequence 127, App
27	27	33.3	15	16	US-10-409-613-127	Sequence 127, App
28	27	33.3	15	16	US-10-409-613-127	Sequence 127, App
29	26	32.1	6	9	US-09-911-838-84	Sequence 84, Appl
30	26	32.1	7	9	US-09-911-838-85	Sequence 85, Appl
31	26	32.1	7	9	US-09-911-838-85	Sequence 85, Appl
32	26	32.1	10	12	US-10-462-452-617	Sequence 617, App
33	26	32.1	10	14	US-10-200-708-358	Sequence 358, App
34	26	32.1	10	14	US-10-200-708-406	Sequence 406, App
35	26	32.1	10	14	US-10-200-708-430	Sequence 430, App
36	26	32.1	10	14	US-10-200-708-459	Sequence 459, App
37	26	32.1	10	16	US-10-601-953-773	Sequence 773, App
38	26	32.1	14	10	US-09-932-613-335	Sequence 335, App
39	26	32.1	14	10	US-09-932-613-392	Sequence 392, App
40	26	32.1	14	10	US-09-932-613-406	Sequence 406, App
41	26	32.1	14	10	US-09-932-613-416	Sequence 416, App
42	26	32.1	14	10	US-09-932-613-435	Sequence 435, App
43	26	32.1	14	10	US-09-932-322-335	Sequence 335, App
44	26	32.1	14	10	US-09-932-322-392	Sequence 392, App
45	26	32.1	14	10	US-09-932-322-406	Sequence 406, App

ALIGNMENTS

RESULT 1

US-10-354-240-45
; Sequence 45, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SFO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 45
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 31
US-10-354-240-45

Query Match 100.0%; Score 81; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.6e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DALTLRTATNIWIDH 15

Db 1 DALTLRTATNIWIDH 15

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RESULT 2
US-10-354-240-46
; Sequence 46, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 32
US-10-354-240-46

Query Match      71.6%; Score 58; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0046;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 RTATNIWIDH 15
DB      1 RTATNIWIDH 10
|||||

RESULT 3
US-10-354-240-44
; Sequence 44, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 30
US-10-354-240-44

Query Match      59.3%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.23;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 DALTLRTATN 10
DB      6 DALTLRTATN 15
|||||

RESULT 4
US-10-354-240-47
; Sequence 47, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 33
US-10-354-240-47

Query Match      40.7%; Score 33; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 IWIDH 15
DB      1 IWIDH 5
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RESULT 5
US-10-182-252A-1182
; Sequence 1182, Application US/10182252A
; Publication No. US20040072162A1
; GENERAL INFORMATION:
; APPLICANT: FOMSGAARD, ANDERS
; APPLICANT: BRUNAK, SOREN
; APPLICANT: BUUS, SOREN
; APPLICANT: CORBET, SYLVIE
; APPLICANT: LAUEMOLLER, SANNE LISE
; APPLICANT: HANSEN, JAN
; TITLE OF INVENTION: HIV PEPTIDE AND NUCLEIC ACIDS ENCODING THEM FOR DIAGNOSIS AND
; FILE REFERENCE: 030307/0205
; CURRENT APPLICATION NUMBER: US/10/182,252A
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: PCT/DK01/00059
; PRIOR FILING DATE: 2001-01-29
; PRIOR APPLICATION NUMBER: EP 00610017.6
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/179,333
; PRIOR FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 1388
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1182
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Human immunodeficiency virus
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US-10-182-252A-1182

Query Match 33.3%; Score 27; DB 12; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 10 NIWIDH 15
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Db 1 NIWATH 6

RESULT 6

US-10-319-340-2
; Sequence 2, Application US/10319340
; Publication No. US20030144211A1
; GENERAL INFORMATION:
; APPLICANT: Heavner, George A.
; APPLICANT: McEever, Rodger P.
; APPLICANT: Geng, Jian-Guo
; TITLE OF INVENTION: Peptide Inhibitors of Inflammation Mediated by Selectins
; FILE REFERENCE: CTC 102 CON DIV
; CURRENT FILING DATE: 2002-12-13
; PRIOR APPLICATION NUMBER: US/10/319,340
; PRIOR FILING DATE: 2002-12-13
; PRIOR APPLICATION NUMBER: 08/135,319
; PRIOR FILING DATE: 1993-10-12
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic inhibitory peptide
US-10-319-340-2

Query Match 33.3%; Score 27; DB 14; Length 10;
Best Local Similarity 37.5%; Pred. No. 5.8e+02;
Matches 3; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 6 RTATNIWI 13
| | | | |
Db 1 RKVNVWV 8

RESULT 7

US-10-319-340-3
; Sequence 3, Application US/10319340
; Publication No. US20030144211A1
; GENERAL INFORMATION:
; APPLICANT: Heavner, George A.
; APPLICANT: McEever, Rodger P.
; APPLICANT: Geng, Jian-Guo
; TITLE OF INVENTION: Peptide Inhibitors of Inflammation Mediated by Selectins
; FILE REFERENCE: CTC 102 CON DIV
; CURRENT FILING DATE: 2002-12-13
; PRIOR APPLICATION NUMBER: US/10/319,340
; PRIOR FILING DATE: 2002-12-13
; PRIOR APPLICATION NUMBER: 08/135,319
; PRIOR FILING DATE: 1993-10-12
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 10
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic inhibitory peptide
; NAME/KEY: MISC FEATURE
; LOCATION: (10)-(10)
; OTHER INFORMATION: No. US20030144211A1NH2
US-10-319-340-3

Query Match 33.3%; Score 27; DB 14; Length 10;

Best Local Similarity 37.5%; Pred. No. 5.8e+02;
Matches 3; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 6 RTATNIWI 13
| | | | |
Db 1 RKVNVWV 8

RESULT 8

US-09-791-378-303
; Sequence 303, Application US/09791378
; Patent No. US20020142303A1
; GENERAL INFORMATION:
; APPLICANT: Parekh, Rajesh
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF
; FILE REFERENCE: 9195-061-999
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US/09/791,378
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 677
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 303
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-378-303

Query Match 33.3%; Score 27; DB 9; Length 12;
Best Local Similarity 42.9%; Pred. No. 7e+02;
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWID 14
| | | | |
Db 4 ADSWVD 10

RESULT 9

US-09-826-290-300
; Sequence 300, Application US/09826290
; Patent No. US20020164668A1
; GENERAL INFORMATION:
; APPLICANT: Durnam, L. Kathryn
; APPLICANT: Friedman, David L.
; APPLICANT: Herath, Herath Mudiyanseelage Athula Chandrasiri
; APPLICANT: Kimmel, Lida H.
; APPLICANT: Parekh, Rajesh Bhikhu
; APPLICANT: Potter, David M.
; APPLICANT: Rohlff, Christian
; APPLICANT: Silber, B. Michael
; APPLICANT: Stiger, Thomas R.
; APPLICANT: Sunderland, P. Trey
; APPLICANT: Townsend, Robert Reid
; APPLICANT: White, Frost
; APPLICANT: Williams, Stephen A.
; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
; FILE REFERENCE: 2572-1-001 N2
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US/09/826,290
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/194,504
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/253,647
; PRIOR FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 492
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 300
; LENGTH: 12
; TYPE: PRT
; ORGANISM: homo sapien
US-09-826-290-300

Query Match 33.3%; Score 27; DB 9; Length 12;
Best Local Similarity 42.9%; Pred. No. 7e+02;
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWID 14
|:|:|
Db 4 ADSVWVD 10

RESULT 10
US-10-033-741-19
; Sequence 19, Application US/10033741
; Publication No. US20030049640A1
; GENERAL INFORMATION:
; APPLICANT: Herman, et al.
; TITLE OF INVENTION: Proteins, Genes and Their Use For Diagnosis and Treatment of Vasc
; FILE REFERENCE: 9195-079
; CURRENT APPLICATION NUMBER: US/10/033,741
; CURRENT FILING DATE: 2001-12-27
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 19
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-033-741-19

Query Match 33.3%; Score 27; DB 14; Length 12;
Best Local Similarity 42.9%; Pred. No. 7e+02;
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWID 14
|:|:|
Db 4 ADSVWVD 10

RESULT 11
US-10-264-309-113
; Sequence 113, Application US/10264309
; Publication No. US2004002794A1
; GENERAL INFORMATION:
; APPLICANT: DURHAM, L. KATHRYN
; APPLICANT: FRIEDMAN, DAVID L.
; APPLICANT: HERATH, HERATH
; APPLICANT: KIMMEL, LIDA H.
; APPLICANT: PAREKH, RAJESH B.
; APPLICANT: POTTER, DAVID M.
; APPLICANT: ROHLER, CHRISTIAN
; APPLICANT: SILBER, B. MICHAEL
; APPLICANT: SNYDER, PETER J.
; APPLICANT: SOARES, HOLLY D.
; APPLICANT: STIGER, THOMAS R.
; APPLICANT: SUNDERLAND, P. TREY
; APPLICANT: TOWNSEND, ROBERT R.
; APPLICANT: WHITE, W. FROST
; APPLICANT: WILLIAMS, STEPHEN A.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES, POLYPEPTIDES AND USES THEREFOR,
; FILE REFERENCE: POA-002.01
; CURRENT APPLICATION NUMBER: US/10/264,309
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: 60/326,708
; PRIOR FILING DATE: 2001-10-03
; NUMBER OF SEQ ID NOS: 491
; SOFTWARE: Patentin version 2.1
; SEQ ID NO 113
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-264-309-113

Query Match 33.3%; Score 27; DB 14; Length 12;
Best Local Similarity 42.9%; Pred. No. 7e+02;
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWID 14
|:|:|
Db 4 ADSVWVD 10

RESULT 12
US-10-285-649A-4
; Sequence 4, Application US/10285649A
; Publication No. US2003010609A1
; GENERAL INFORMATION:
; APPLICANT: McBride, Kevin
; APPLICANT: Stalker, David M.
; APPLICANT: Pear, Julie
; APPLICANT: Perez-Grau, Luis
; TITLE OF INVENTION: COTTON FIBER TRANSCRIPTIONAL FACTORS
; FILE REFERENCE: 15615/03/US
; CURRENT APPLICATION NUMBER: US/10/285,649A
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: US 08/984,099
; PRIOR FILING DATE: 1997-12-03
; PRIOR APPLICATION NUMBER: PCT/US96/09897
; PRIOR FILING DATE: 1996-06-07
; PRIOR APPLICATION NUMBER: US 08/480,178
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: IBM PC; Windows 2000; Microsoft Word 2000
; SEQ ID NO 4
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Gossypium Hirsutum
US-10-285-649A-4

Query Match 33.3%; Score 27; DB 14; Length 13;
Best Local Similarity 33.3%; Pred. No. 7.6e+02;
Matches 2; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 10 NIWIDH 15
|:|:|
Db 8 SVWLEH 13

RESULT 13
US-09-932-613-198
; Sequence 198, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Beltzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US
; CURRENT APPLICATION NUMBER: US/09/932,613
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 198
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Blys binding polypeptide
US-09-932-613-198

Query Match 33.3%; Score 27; DB 10; Length 14;
Best Local Similarity 42.9%; Pred. No. 8.2e+02;
Matches 3; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 9 TINIWDH 15
| : |
Db 8 TKLWLPH 14

RESULT 14

US-09-932-613-224
; Sequence 224, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Beltzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US
; CURRENT APPLICATION NUMBER: US/09/932,613
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 224
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Blys binding polypeptide
US-09-932-613-224

Query Match 33.3%; Score 27; DB 10; Length 14;
Best Local Similarity 42.9%; Pred. No. 8.2e+02;
Matches 3; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 9 TINIWDH 15
| : |
Db 8 TKLWLTH 14

RESULT 15

US-09-932-613-234
; Sequence 234, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Beltzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US
; CURRENT APPLICATION NUMBER: US/09/932,613
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 234
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Blys binding polypeptide
US-09-932-613-234

Query Match 33.3%; Score 27; DB 10; Length 14;
Best Local Similarity 42.9%; Pred. No. 8.2e+02;
Matches 3; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 9 TINIWDH 15
| : |
Db 8 TKLWLPH 14

Search completed: April 29, 2004, 10:34:08
Job time : 30.85 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-5

Perfect score: 80

Sequence: 1 HPQDGLTLRTATN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/prodata/2/iaa/5A_COMB.pep:*
- 2: /cgn2_6/prodata/2/iaa/5B_COMB.pep:*
- 3: /cgn2_6/prodata/2/iaa/6A_COMB.pep:*
- 4: /cgn2_6/prodata/2/iaa/6B_COMB.pep:*
- 5: /cgn2_6/prodata/2/iaa/ECTUS_COMB.pep:*
- 6: /cgn2_6/prodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	36.2	14	2	US-08-459-568-69
2	29	36.2	14	2	US-08-399-411-69
3	29	36.2	14	3	US-08-516-859A-69
4	29	36.2	14	4	US-09-586-472-69
5	29	36.2	14	4	US-09-528-706-69
6	27	33.8	7	4	US-09-989-789-672
7	27	33.8	7	4	US-09-989-789-675
8	27	33.8	9	2	US-08-318-856A-65
9	27	33.8	10	2	US-08-318-856A-72
10	27	33.8	13	1	US-07-791-213D-28
11	27	33.8	13	1	US-08-293-150A-28
12	27	33.8	14	1	US-07-791-213D-27
13	27	33.8	14	1	US-08-293-150A-27
14	27	33.8	15	1	US-07-791-213D-26
15	27	33.8	15	1	US-07-972-387-73
16	27	33.8	15	1	US-08-431-412-73
17	27	33.8	15	1	US-08-057-971-73
18	27	33.8	15	1	US-08-293-150A-26
19	26	32.5	7	4	US-08-757-425B-59
20	26	32.5	7	4	US-08-757-425B-60
21	26	32.5	7	4	US-08-757-425B-61
22	26	32.5	7	4	US-08-757-425B-64
23	26	32.5	7	4	US-09-989-789-671
24	26	32.5	7	4	US-09-989-789-674
25	26	32.5	9	1	US-08-215-805A-28
26	26	32.5	9	4	US-09-601-729-91
27	26	32.5	9	5	PCT-US95-16415-34

28	26	32.5	10	2	US-08-769-745-3	Sequence 3, Appli
29	26	32.5	12	2	US-08-487-675-1	Sequence 1, Appli
30	26	32.5	12	3	US-08-304-263A-1	Sequence 1, Appli
31	26	32.5	12	4	US-09-315-926A-22	Sequence 22, Appl
32	26	32.5	12	4	US-08-134-231C-41	Sequence 41, Appl
33	26	32.5	12	4	US-09-434-123A-1	Sequence 1, Appli
34	26	32.5	12	4	US-08-728-160-41	Sequence 41, Appl
35	26	32.5	13	4	US-09-063-733A-3	Sequence 3, Appli
36	26	32.5	14	4	US-08-811-682-10	Sequence 10, Appl
37	26	32.5	14	4	US-09-205-258-839	Sequence 839, App
38	25	31.2	7	4	US-09-989-789-289	Sequence 289, App
39	25	31.2	7	4	US-09-989-789-670	Sequence 670, App
40	25	31.2	7	4	US-09-989-789-673	Sequence 673, App
41	25	31.2	7	4	US-09-989-789-696	Sequence 696, App
42	25	31.2	7	4	US-09-989-789-966	Sequence 966, App
43	25	31.2	7	4	US-09-989-789-971	Sequence 971, App
44	25	31.2	7	4	US-09-989-789-1047	Sequence 1047, Ap
45	25	31.2	7	4	US-09-989-789-1048	Sequence 1048, Ap

ALIGNMENTS

RESULT 1
US-08-459-568-69
; Sequence 69, Application US/08459568
; Patent No. 5811304
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: Retinoblastoma Protein - Interacting
; TITLE OF INVENTION: Zinc Finger Proteins
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,568
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/399,411
; FILING DATE: 06-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 1264
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-459-568-69

Query Match 36.2%; Score 29; DB 2; Length 14;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 1 HPQDGL 8
DB 2 HPEDMDLL 9

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;
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; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/399,411
; FILING DATE: 06-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/292,683
; FILING DATE: 18-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 1776
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-516-859A-69

Query Match 36.2%; Score 29; DB 3; Length 14;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 HPQGDAL 8
DB 2 HPEDMDLL 9

RESULT 4
US-09-586-472-69
; Sequence 69, Application US/09586472
; Patent No. 6323335
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: Retinoblastoma Protein - Interacting
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/586,472
; FILING DATE: 01-Jun-2000
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/528,706
; FILING DATE: 17-MAR-2000
; APPLICATION NUMBER: US 08/516,859
; FILING DATE: 18-AUG-1995
; APPLICATION NUMBER: US 08/399,411
; FILING DATE: 06-MAR-1995
; APPLICATION NUMBER: US 08/292,683
; FILING DATE: 18-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 4130
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-399-411-69

Query Match 36.2%; Score 29; DB 2; Length 14;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 HPQGDAL 8
DB 2 HPEDMDLL 9

RESULT 3
US-08-516-859A-69
; Sequence 69, Application US/08516859A
; Patent No. 6069231
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: Retinoblastoma Protein - Interacting
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/516,859A
; FILING DATE: 18-AUG-1995
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LENGTH: 14 amino acids
TYPE: amino acid
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 69;
US-09-586-472-69
Query Match 36.2%; Score 29; DB 4; Length 14;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 HPQDGDAL 8
DB 2 HPEDMDLL 9

RESULT 5
US-09-528-706-69
; Sequence 69, Application US/09528706
; Patent No. 6468985
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: Retinoblastoma Protein - Interacting
; TITLE OF INVENTION: Zinc Finger Proteins
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/528,706
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/516,859
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/292,683
; FILING DATE: 18-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 1776
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-09-528-706-69
Query Match 36.2%; Score 29; DB 4; Length 14;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 HPQDGDAL 8
DB 2 HPEDMDLL 9

RESULT 6
US-09-989-789-672
; Sequence 672, Application US/09989789
; Patent No. 6588746

GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 672
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-672

Query Match 33.8%; Score 27; DB 4; Length 7;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 GDALTL 10
DB 2 GDALTM 7

RESULT 7
US-09-989-789-675
; Sequence 675, Application US/09989789
; Patent No. 6588746
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 675
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-675

Query Match 33.8%; Score 27; DB 4; Length 7;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 GDALTL 10
DB 2 GDALTM 7

RESULT 8
US-08-318-856A-65
; Sequence 65, Application US/08318856A
; Patent No. 5972351
; GENERAL INFORMATION:
; APPLICANT: Adrian V.S. Hill, et al.
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM MHC CLASS I-
; TITLE OF INVENTION: RESTRICTED CTL EPITOPES DERIVED FROM PRE-ERYTHROCYTIC STAGE
; TITLE OF INVENTION: ANTIGENS (AS AMENDED)
; NUMBER OF SEQUENCES: 86
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
; STREET: 2033 K Street, N.W., Suite 800
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20006

```

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk, 3.5 inch, 1.44 mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1+
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,856A
FILING DATE: October 3, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 92 08 068.8
FILING DATE: April 3, 1992
APPLICATION DATA: GB 92 17 704.7
FILING DATE: August 20, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/GB93/00711
FILING DATE: April 5, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: 263-PP1R1577US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 721-8200
TELEFAX: (202) 721-8250
INFORMATION FOR SEQ ID NO: 65:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-318-856A-65

Query Match 33.8%; Score 27; DB 2; Length 9;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 HPQDG 5
DB 1 HPSDG 5

RESULT 9
US-08-318-856A-72
Sequence 72, Application US/08318856A
Patent No. 5972351
GENERAL INFORMATION:
APPLICANT: Adrian V.S. Hill, et al.
TITLE OF INVENTION: PLASMODIUM FALCIPARUM MHC CLASS I-
TITLE OF INVENTION: RESTRICTED CTL EPTOPES DERIVED FROM PRE-ERYTHROCYTIC STAGE
TITLE OF INVENTION: ANTIGENS (AS AMENDED)
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk, 3.5 inch, 1.44 mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1+
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,856A
FILING DATE: October 3, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 92 08 068.8
FILING DATE: April 3, 1992
APPLICATION DATA: GB 92 17 704.7
FILING DATE: August 20, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 92 17 704.7
FILING DATE: August 20, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/GB93/00711
FILING DATE: April 5, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: 263-PP1R1577US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 721-8200
TELEFAX: (202) 721-8250
INFORMATION FOR SEQ ID NO: 65:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-318-856A-65

Query Match 33.8%; Score 27; DB 2; Length 9;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 HPQDG 5
DB 1 HPSDG 5

RESULT 10
US-07-791-213D-28
Sequence 28, Application US/07791213D
Patent No. 5409895
GENERAL INFORMATION:
APPLICANT: MORISHITA, Hideaki
APPLICANT: KANAMORI, Toshinori
APPLICANT: NOBUHARA, Masahiro
TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE
TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME
TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF
TITLE OF INVENTION: TREATING USING THE SAME
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/791,213D
FILING DATE: 13-NOV-1991
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-306745
FILING DATE: 13-NOV-1990
ATTORNEY/AGENT INFORMATION:
NAME: Meuth, Donna M
REGISTRATION NUMBER: 36,607
REFERENCE/DOCKET NUMBER: 029650-032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-318-856A-72

Query Match 33.8%; Score 27; DB 2; Length 10;
Best Local Similarity 80.0%; Pred. No. 83;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 HPQDG 5
DB 1 HPSDG 5

RESULT 10
US-07-791-213D-28
Sequence 28, Application US/07791213D
Patent No. 5409895
GENERAL INFORMATION:
APPLICANT: MORISHITA, Hideaki
APPLICANT: KANAMORI, Toshinori
APPLICANT: NOBUHARA, Masahiro
TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE
TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME
TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF
TITLE OF INVENTION: TREATING USING THE SAME
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/791,213D
FILING DATE: 13-NOV-1991
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-306745
FILING DATE: 13-NOV-1990
ATTORNEY/AGENT INFORMATION:
NAME: Meuth, Donna M
REGISTRATION NUMBER: 36,607
REFERENCE/DOCKET NUMBER: 029650-032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-318-856A-72

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US-07-791-213D-28

Query Match 33.8%; Score 27; DB 1; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PQDGDALTLR 11
Db 4 PQDGDDELLR 13

RESULT 11

US-08-293-150A-28
; Sequence 28, Application US/08293150A
; Patent No. 5792629
; GENERAL INFORMATION:
; APPLICANT: MORISHITA, Hideaki
; APPLICANT: KANAMORI, Toshinori
; APPLICANT: NOBUHARA, Masahiro
; TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE
; TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME
; TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF
; TITLE OF INVENTION: TREATING USING THE SAME
; NUMBER OF SEQUENCES: 110
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 19-AUG-1994
; CLASSIFICATION: 514
; PRIORITY APPLICATION NUMBER: US 07/791,213
; FILING DATE: 13-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 2-306745
; FILING DATE: 13-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Meuth, Donna M.
; REGISTRATION NUMBER: 36,607
; REFERENCE/DOCKET NUMBER: 029650-049
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-293-150A-28

Query Match 33.8%; Score 27; DB 1; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PQDGDALTLR 11
Db 4 PQDGDDELLR 13

RESULT 12

US-07-791-213D-27
; Sequence 27, Application US/07791213D

; Patent No. 5409895

; GENERAL INFORMATION:
; APPLICANT: MORISHITA, Hideaki
; APPLICANT: KANAMORI, Toshinori
; APPLICANT: NOBUHARA, Masahiro
; TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE
; TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME
; TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF
; TITLE OF INVENTION: TREATING USING THE SAME
; NUMBER OF SEQUENCES: 108
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/791,213D
; FILING DATE: 13-NOV-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 2-306745
; FILING DATE: 13-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Meuth, Donna M.
; REGISTRATION NUMBER: 36,607
; REFERENCE/DOCKET NUMBER: 029650-032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-07-791-213D-27

Query Match 33.8%; Score 27; DB 1; Length 14;
Best Local Similarity 60.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PQDGDALTLR 11
Db 4 PQDGDDELLR 13

RESULT 13

US-08-293-150A-27
; Sequence 27, Application US/08293150A
; Patent No. 5792629
; GENERAL INFORMATION:
; APPLICANT: MORISHITA, Hideaki
; APPLICANT: KANAMORI, Toshinori
; APPLICANT: NOBUHARA, Masahiro
; TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE
; TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME
; TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF
; TITLE OF INVENTION: TREATING USING THE SAME
; NUMBER OF SEQUENCES: 110
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/293,150A
 FILING DATE: 19-AUG-1994
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/791,213
 FILING DATE: 13-NOV-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 2-306745
 FILING DATE: 13-NOV-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Meuth, Donna M.
 REGISTRATION NUMBER: 36,607
 REFERENCE/DOCKET NUMBER: 029650-049
 TELEPHONE: (703) 836-6620
 TELEFAX: (703) 836-2021
 INFORMATION FOR SEQ ID NO: 27:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 14 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-293-150A-27

Query Match 33.8%; Score 27; DB 1; Length 14;
 Best Local Similarity 60.0%; Pred. No. 1.3e+02;
 Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PDGDALTLR 11
 Db 4 PGDGEELLR 13

RESULT 14

US-07-791-213D-26
 Sequence 26, Application US/07791213D
 Patent No. 5409895
 GENERAL INFORMATION:
 APPLICANT: MORISHITA, Hideaki
 APPLICANT: KANAMORI, Toshinori
 APPLICANT: NOBUHARA, Masahiro
 TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE
 TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME
 TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF
 NUMBER OF SEQUENCES: 108
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Burns, Doane, Swecker & Mathis
 STREET: P.O. Box 1404
 CITY: Alexandria
 STATE: Virginia
 COUNTRY: United States
 ZIP: 22313-1404
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/791,213D
 FILING DATE: 13-NOV-1991
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 2-306745
 FILING DATE: 13-NOV-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Meuth, Donna M

REGISTRATION NUMBER: 36,607
 REFERENCE/DOCKET NUMBER: 029650-032.
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 836-6620
 TELEFAX: (703) 836-2021
 INFORMATION FOR SEQ ID NO: 26:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-07-791-213D-26

Query Match 33.8%; Score 27; DB 1; Length 15;
 Best Local Similarity 60.0%; Pred. No. 1.4e+02;
 Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PDGDALTLR 11
 Db 4 PGDGEELLR 13

RESULT 15

US-07-972-387-73
 Sequence 73, Application US/07972387
 Patent No. 5451659
 GENERAL INFORMATION:
 APPLICANT: Morishita, Hideaki
 APPLICANT: Kanamori, Toshinori
 APPLICANT: No. 5451659uara, Masahiro
 TITLE OF INVENTION: Polypeptide, DNA Fragment Encoding the
 TITLE OF INVENTION: Same, Drug Composition Containing the Same and Process for
 NUMBER OF SEQUENCES: 76
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Birch, Stewart, Kolasch & Birch
 STREET: 301 N. Washington St.
 CITY: Falls Church
 STATE: Virginia
 COUNTRY: USA
 ZIP: 22046-0747
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/972,387
 FILING DATE: 19921105
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Murphy Jr., Gerald M.
 REGISTRATION NUMBER: 28,977
 REFERENCE/DOCKET NUMBER: 1110-124P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-241-1300
 TELEFAX: 703-241-2848
 TELEX: 248345
 INFORMATION FOR SEQ ID NO: 73:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-07-972-387-73

Query Match 33.8%; Score 27; DB 1; Length 15;
 Best Local Similarity 60.0%; Pred. No. 1.4e+02;
 Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PDGDALTLR 11
 Db 3 PGDGEELLR 12

Search completed: April 29, 2004, 09:27:28
Job time : 12.85 secs

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OM protein - protein search, using sw model.

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.77% Million cell updates/sec

Title: US-09-308-027A-5

Perfect score: 80

Sequence: 1 HPQDGDALTTRATN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
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- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	80	100.0	15	14	US-10-354-240-44
2	55	68.8	15	14	US-10-354-240-43
3	48	60.0	15	14	US-10-354-240-45
4	32	40.0	15	14	US-10-354-240-42
5	27	33.8	7	9	US-09-989-789-672
6	27	33.8	7	9	US-09-989-789-675
7	27	33.8	7	10	US-09-990-186-672
8	27	33.8	7	10	US-09-990-186-675
9	27	33.8	7	10	US-09-989-994-672
10	27	33.8	7	10	US-09-989-994-675
11	27	33.8	9	8	US-08-344-824-158
12	27	33.8	10	8	US-08-344-824-254
13	27	33.8	12	12	US-10-191-540-154
14	26	32.5	7	9	US-09-989-789-671
15	26	32.5	7	9	US-09-989-789-674

16	26	32.5	7	10	US-09-990-186-671	Sequence 671, App
17	26	32.5	7	10	US-09-990-186-674	Sequence 674, App
18	26	32.5	7	10	US-09-989-994-671	Sequence 671, App
19	26	32.5	7	10	US-09-989-994-674	Sequence 674, App
20	26	32.5	9	10	US-09-277-074-34	Sequence 34, Appl
21	26	32.5	9	12	US-09-277-064-34	Sequence 34, Appl
22	26	32.5	10	8	US-08-452-843A-20	Sequence 20, Appl
23	26	32.5	12	14	US-10-348-167-41	Sequence 41, Appl
24	26	32.5	12	14	US-10-235-175-22	Sequence 22, Appl
25	26	32.5	13	12	US-10-671-403-60	Sequence 60, Appl
26	26	32.5	13	12	US-10-671-413-60	Sequence 60, Appl
27	26	32.5	13	12	US-10-670-844-60	Sequence 60, Appl
28	26	32.5	13	12	US-10-671-134-60	Sequence 60, Appl
29	26	32.5	13	12	US-10-673-098-60	Sequence 60, Appl
30	26	32.5	13	14	US-10-005-530-3	Sequence 3, Appl
31	26	32.5	13	16	US-10-672-638-60	Sequence 60, Appl
32	26	32.5	14	10	US-09-884-696-15	Sequence 15, Appl
33	26	32.5	14	10	US-09-933-767-839	Sequence 839, App
34	26	32.5	14	12	US-10-004-860-839	Sequence 839, App
35	26	32.5	14	14	US-10-084-813-1123	Sequence 1123, App
36	26	32.5	14	14	US-10-023-282-839	Sequence 839, App
37	26	32.5	15	12	US-10-379-462-3	Sequence 3, Appl
38	26	32.5	15	14	US-10-084-813-1122	Sequence 1122, App
39	26	32.5	15	14	US-10-084-813-1129	Sequence 1129, App
40	26	32.5	15	14	US-10-084-813-1140	Sequence 1140, App
41	26	32.5	15	14	US-10-084-813-1146	Sequence 1146, App
42	26	32.5	15	14	US-10-038-407-10	Sequence 10, Appl
43	25	31.2	7	9	US-09-989-789-289	Sequence 289, App
44	25	31.2	7	9	US-09-989-789-670	Sequence 670, App
45	25	31.2	7	9	US-09-989-789-673	Sequence 673, App

ALIGNMENTS

RESULT 1

US-10-354-240-44

; Sequence 44, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akimori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 44

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 30

US-10-354-240-44

Query Match 100.0%; Score 80; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 1.5e-07;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HPQDGDALTTRATN 15

Db 1 HPQDGDALTTRATN 15

RESULT 2
US-10-354-240-43
; Sequence 43, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29
US-10-354-240-43
Query Match 68.8%; Score 55; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0045;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HPQGDALTL 10
DB 6 HPQGDALTL 15
RESULT 3
US-10-354-240-45
; Sequence 45, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 31
US-10-354-240-45
Query Match 60.0%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.089;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HPQGDALTL 10
DB 6 HPQGDALTL 15
RESULT 4
US-10-354-240-42
; Sequence 42, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28
US-10-354-240-42
Query Match 40.0%; Score 32; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HPQDG 5
DB 11 HPQDG 15
RESULT 5
US-09-989-789-672
; Sequence 672, Application US/09989789
; Patent No. US20020063379A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
; FILE REFERENCE: 8325-0011.20 / 811-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 672
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-672
Query Match 33.8%; Score 27; DB 9; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 5 GDALTL 10
DB 2 GDALTL 7

QY 6 DALTLRTATN 15
DB 1 DALTLRTATN 10
RESULT 4
US-10-354-240-42
; Sequence 42, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28
US-10-354-240-42
Query Match 40.0%; Score 32; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HPQDG 5
DB 11 HPQDG 15
RESULT 5
US-09-989-789-672
; Sequence 672, Application US/09989789
; Patent No. US20020063379A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
; FILE REFERENCE: 8325-0011.20 / 811-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 672
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-672
Query Match 33.8%; Score 27; DB 9; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 5 GDALTL 10
DB 2 GDALTL 7

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; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 675
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-990-186-675

Query Match      33.8%; Score 27; DB 10; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      5 GDALTL 10
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Db      2 GDALTM 7

RESULT 9
US-09-989-994-672
; Sequence 672, Application US/09989994
; Publication No. US20030104526A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,994
; CURRENT FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 672
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-994-672

Query Match      33.8%; Score 27; DB 10; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      5 GDALTL 10
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Db      2 GDALTM 7

RESULT 10
US-09-989-994-675
; Sequence 675, Application US/09989994
; Publication No. US20030104526A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,994
; CURRENT FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 675
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-994-675

Query Match      33.8%; Score 27; DB 10; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

RESULT 6
US-09-989-789-675
; Sequence 675, Application US/09989789
; Patent No. US20020063379A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 675
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-675

Query Match      33.8%; Score 27; DB 9; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      5 GDALTL 10
        |||||
Db      2 GDALTM 7

RESULT 7
US-09-990-186-672
; Sequence 672, Application US/09990186
; Publication No. US20030068675A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.21 / S11-US3
; CURRENT APPLICATION NUMBER: US/09/990,186
; CURRENT FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 672
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-990-186-672

Query Match      33.8%; Score 27; DB 10; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      5 GDALTL 10
        |||||
Db      2 GDALTM 7

RESULT 8
US-09-990-186-675
; Sequence 675, Application US/09990186
; Publication No. US20030068675A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.21 / S11-US3
; CURRENT APPLICATION NUMBER: US/09/990,186
; CURRENT FILING DATE: 2001-11-20

```


QY 5 GDALT 10
Db 2 GDALT 7

RESULT 11
US-08-344-824-158
; Sequence 158, Application US/08344824
; Publication No. US20030152580A1
; GENERAL INFORMATION:
; APPLICANT: SETTE, Alessandro
; APPLICANT: SIDNEY, John
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES
; NUMBER OF SEQUENCES: 399
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Street Tower, 20th
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/344,824
; FILING DATE: 23-NOV-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/278,634
; FILING DATE: 21-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 14137-80-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 254:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-344-824-254

Query Match 33.8%; Score 27; DB 8; Length 10;
Best Local Similarity 80.0%; Pred. No. 3.5e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 HPQDG 5
Db 1 HPSDG 5

RESULT 13
US-10-191-540-154
; Sequence 154, Application US/10191540
; Publication No. US2003022494A1
; GENERAL INFORMATION:
; APPLICANT: Tsuyoshi Nomoto, Tetsuya Yano, Shinya Kozaki and Tautomu Honma
; TITLE OF INVENTION: Polyhydroxyalkanoate-containing structure and manufacturing metho
; FILE OF INVENTION: thereof
; FILE REFERENCE: CF016534
; CURRENT APPLICATION NUMBER: US/10/191,540
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: JP P2001-210052
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: JP P2002-172978
; PRIOR FILING DATE: 2002-06-13
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 154
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: T102-binding peptide
US-10-191-540-154

Query Match 33.8%; Score 27; DB 12; Length 12;
Best Local Similarity 62.5%; Pred. No. 4.3e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 PDGDALT 9
Db 5 PHPGDTLT 12

```

RESULT 14
US-09-989-789-671
; Sequence 671, Application US/09989789
; Patent No. US20020063379A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 671
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-671

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```

Query Match      32.5%; Score 26; DB 9; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY      5 GDALTL 10
Db      2 GDALTV 7

```

```

RESULT 15
US-09-989-789-674
; Sequence 674, Application US/09989789
; Patent No. US20020063379A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 674
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-674

```

```

Query Match      32.5%; Score 26; DB 9; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY      5 GDALTL 10
Db      2 GDALTV 7

```

Search completed: April 29, 2004, 10:34:08
Job time : 31.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:23:22 ; Search time 23 Seconds
(without alignments)
20.201 Million cell updates/sec

Title: US-09-308-027A-4
Perfect score: 42
Sequence: 1 FIKRVSNVI 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 89883

Minimum DB seq length: 0
Maximum DB seq length: 9

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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4: /cgn2_6/prodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/prodata/2/iaa/PTUS_COMB.pep:*
6: /cgn2_6/prodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	23	54.8	8	3	US-08-405-647B-15
2	23	54.8	8	3	US-08-985-499-15
3	23	54.8	8	5	PCT-US96-03180-15
4	22	52.4	7	2	US-08-637-759B-196
5	22	52.4	7	3	US-08-871-355A-196
6	22	52.4	7	4	US-09-201-945-196
7	22	52.4	7	4	US-09-463-129B-6
8	21	50.0	8	3	US-09-190-964-11
9	20	47.6	6	3	US-08-405-647B-2
10	20	47.6	6	3	US-08-985-499-2
11	20	47.6	6	5	PCT-US96-03180-2
12	20	47.6	7	1	US-08-438-123-2
13	20	47.6	9	1	US-08-438-123-10
14	20	47.6	9	4	US-08-403-459-1
15	19	45.2	6	2	US-08-531-525-1
16	19	45.2	6	2	US-08-718-270A-1
17	19	45.2	7	1	US-08-244-626-6
18	19	45.2	7	4	US-08-135-319A-21
19	19	45.2	9	3	US-09-258-754-138
20	19	45.2	9	3	US-09-042-107-138
21	19	45.2	9	3	US-08-928-213B-189
22	19	45.2	9	4	US-09-722-250D-138
23	18	42.9	5	2	US-08-867-941-64
24	18	42.9	5	3	US-09-074-658-64
25	18	42.9	6	1	US-08-856-053-22
26	18	42.9	6	2	US-08-377-432-36
27	18	42.9	6	4	US-08-900-241-36

28	18	42.9	7	1	US-08-856-053-12	Sequence 12, Appl
29	18	42.9	7	1	US-08-856-053-21	Sequence 21, Appl
30	18	42.9	7	3	US-09-103-478-5	Sequence 5, Appl
31	18	42.9	7	4	US-09-193-931C-5	Sequence 5, Appl
32	18	42.9	7	4	US-09-026-221-5	Sequence 5, Appl
33	18	42.9	8	1	US-08-856-053-11	Sequence 11, Appl
34	18	42.9	8	1	US-08-856-053-20	Sequence 20, Appl
35	18	42.9	8	2	US-08-747-137-156	Sequence 156, App
36	18	42.9	8	5	PCT-US91-02958-3	Sequence 3, Appl
37	18	42.9	9	1	US-07-972-007-7	Sequence 7, Appl
38	18	42.9	9	1	US-08-218-608-2	Sequence 2, Appl
39	18	42.9	9	1	US-08-647-618-7	Sequence 7, Appl
40	18	42.9	9	1	US-08-856-053-10	Sequence 10, Appl
41	18	42.9	9	1	US-08-856-053-19	Sequence 19, Appl
42	18	42.9	9	3	US-09-171-705-64	Sequence 64, Appl
43	18	42.9	9	3	US-09-518-046-109	Sequence 109, App
44	18	42.9	9	3	US-09-518-046-119	Sequence 119, App
45	18	42.9	9	4	US-09-327-357-432	Sequence 432, App

ALIGNMENTS

RESULT 1
US-08-405-647B-15
; Sequence 15, Application US/08405647B
; Patent No. 6124362
; GENERAL INFORMATION:
; APPLICANT: Sherman, Irwin W.
; APPLICANT: Crandall, Ian E.
; APPLICANT: Sholet, Stephen B.
; APPLICANT: Thevenin, Bernard Jean-Marie
; TITLE OF INVENTION: Compositions and Methods for Reducing
; TITLE OF INVENTION: Adhesiveness of Defective Red Blood Cells
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/405,647B
; FILING DATE: 17-MAR-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 02307E-068700US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-405-647B-15

Query Match 54.8%; Score 23; DB 3; Length 8;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Gaps 0;
QY 1 FIKRV 5
|:|

```

Db      1 FVKRV 5

RESULT 2
US-08-985-499-15
; Sequence 15, Application US/08985499
; Patent No. 6191103
; GENERAL INFORMATION:
; APPLICANT: Shohet, Stephen B.
; APPLICANT: Sherman, Irwin
; TITLE OF INVENTION: Methods for Enhancing Thrombolysis in a
; TITLE OF INVENTION: Mammal
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,499
; FILING DATE: 05-DEC-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Hyman, Laurence J.
; REGISTRATION NUMBER: 35,551
; REFERENCE/DOCKET NUMBER: 02307E-084500US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-985-499-15

Query Match      54.8%; Score 23; DB 3; Length 8;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 FIKRV 5
       1 FVKRV 5
Db      1 FVKRV 5

RESULT 3
PCT-US96-03180-15
; Sequence 15, Application PC/TUS9603180
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University
; APPLICANT: of California
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REDUCING
; TITLE OF INVENTION: ADHESIVENESS OF DEFECTIVE RED BLOOD CELLS
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Robbins, Berliner & Carson
; STREET: 201 North Figueroa Street, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90012-2628
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/03180
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Berliner, Robert
; REGISTRATION NUMBER: 20,121
; REFERENCE/DOCKET NUMBER: 5555-370
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 977-1001
; TELEFAX: (213) 977-1003
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US96-03180-15

Query Match      54.8%; Score 23; DB 5; Length 8;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 FIKRV 5
       1 FVKRV 5
Db      1 FVKRV 5

RESULT 4
US-08-637-759B-196
; Sequence 196, Application US/08637759B
; Patent No. 5876931
; GENERAL INFORMATION:
; APPLICANT: David William Holgen
; TITLE OF INVENTION: Identification of Genes
; NUMBER OF SEQUENCES: 501
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; STREET: 1201 West Peachtree Street
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30309-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/637,759B
; FILING DATE: 03-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB95/02875
; FILING DATE: 11-DEC-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: RPMS 101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 873-8794
; TELEFAX: (404) 873-8795
; INFORMATION FOR SEQ ID NO: 196:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-08-637-759B-196

Query Match 52.4%; Score 22; DB 2; Length 7;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 FIKRVSN 7
Db 1 FFKRTKN 7

RESULT 5

US-08-871-355A-196
Sequence 196, Application US/08871355A
Patent No. 6015669

GENERAL INFORMATION:

APPLICANT: David William Holden
TITLE OF INVENTION: Identification of Genes
NUMBER OF SEQUENCES: 501
CORRESPONDENCE ADDRESS:
ADDRESSEE: Patrea L. Pabst
STREET: 2800 One Atlantic Center
STREET: 1201 West Peachtree Street
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30309-3450

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 09-JUN-1997

CLASSIFICATION:

435
PCT/GB95/02875
FILING DATE: 11-DEC-1995

ATTORNEY/AGENT INFORMATION:

NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: RPMS 101 CON
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 873-8794

INFORMATION FOR SEQ ID NO:

196:

SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO

US-08-871-355A-196

Query Match 52.4%; Score 22; DB 3; Length 7;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 FIKRVSN 7
Db 1 FFKRTKN 7

RESULT 6

US-09-201-945-196
Sequence 196, Application US/09201945
Patent No. 6342215

GENERAL INFORMATION:

APPLICANT: David William Holden
TITLE OF INVENTION: Identification of Genes
NUMBER OF SEQUENCES: 501
CORRESPONDENCE ADDRESS:
ADDRESSEE: Patrea L. Pabst
STREET: 2800 One Atlantic Center
STREET: 1201 West Peachtree Street
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30309-3450

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 08/09/201,945

CLASSIFICATION:

PRIOR APPLICATION DATA: 08/637,759
APPLICATION NUMBER: 08/637,759
FILING DATE:
CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: RPMS 101
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 873-8794

INFORMATION FOR SEQ ID NO:

196:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO

US-09-201-945-196

Query Match 52.4%; Score 22; DB 4; Length 7;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 FIKRVSN 7
Db 1 FFKRTKN 7

RESULT 7

US-09-463-129B-6
Sequence 6, Application US/09463129B
Patent No. 6410024

GENERAL INFORMATION:

APPLICANT: BURNIE, James P
TITLE OF INVENTION: Epitopes of Shigella Like Toxin and Their Use as a
FILE REFERENCE: 264666

CURRENT APPLICATION NUMBER:

US/09/463,129B

CURRENT FILING DATE:

2000-01-20

PRIOR FILING DATE:

1997-07-21

PRIOR APPLICATION NUMBER:

PCT/GB98/02156

PRIOR FILING DATE:

1998-07-17

NUMBER OF SEQ ID NOS:

14

SOFTWARE:

Patentin Ver. 2.1

SEQ ID NO 6
LENGTH: 7
TYPE: PRT
ORGANISM: Escherichia coli
US-09-463-129B-6

Query Match 52.4%; Score 22; DB 4; Length 7;
Best Local Similarity 80.0%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 1; Mismatches 0;

QY 4 RVSNV 8
DB 3 RISNV 7

RESULT 8
US-09-190-964-11
; Sequence 11, Application US/09190964
; Patent No. 6228989
; GENERAL INFORMATION:
; APPLICANT: Traugh, Jolinda A.
; APPLICANT: Tuazon, Polygena T.
; TITLE OF INVENTION: Peptide Substrates Phosphorylated By P21-Activated
; FILE REFERENCE: 1279-276/988425
; CURRENT APPLICATION NUMBER: US/09/190,964
; CURRENT FILING DATE: 1998-11-13
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-190-964-11

Query Match 50.0%; Score 21; DB 3; Length 8;
Best Local Similarity 42.9%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 3; Conservative 3; Mismatches 1;

QY 2 IKRVSNV 8
DB 2 VKRISGL 8

RESULT 9
US-08-405-647B-2
; Sequence 2, Application US/08405647B
; Patent No. 6124262
; GENERAL INFORMATION:
; APPLICANT: Sherman, Irwin W.
; APPLICANT: Crandall, Ian E.
; APPLICANT: Sholet, Stephen B.
; APPLICANT: Thevenin, Bernard Jean-Marie
; TITLE OF INVENTION: Compositions and Methods for Reducing
; TITLE OF INVENTION: Adhesiveness of Defective Red Blood Cells
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/405,647B
; FILING DATE: 17-MAR-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677

; REFERENCE/DOCKET NUMBER: 02307E-068700US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-405-647B-2

Query Match 47.6%; Score 20; DB 3; Length 6;
Best Local Similarity 60.0%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 3; Conservative 2; Mismatches 0;

QY 1 FIKRV 5
DB 1 YVKRV 5

RESULT 10
US-08-985-499-2
; Sequence 2, Application US/08985499
; Patent No. 6191103
; GENERAL INFORMATION:
; APPLICANT: Shohet, Stephen B.
; APPLICANT: Sherman, Irwin
; APPLICANT: von Andrian, Ulrich
; TITLE OF INVENTION: Methods for Enhancing Thrombolysis in a
; TITLE OF INVENTION: Mammal
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,499
; FILING DATE: 05-DEC-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Hyman, Laurence J.
; REGISTRATION NUMBER: 35,551
; REFERENCE/DOCKET NUMBER: 02307E-084500US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-985-499-2

Query Match 47.6%; Score 20; DB 3; Length 6;
Best Local Similarity 60.0%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 3; Conservative 2; Mismatches 0;

QY 1 FIKRV 5
DB 1 YVKRV 5

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RESULT 11
PCT-US96-03180-2
; Sequence 2, Application PC/TUS9603180
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University
; APPLICANT: of California
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REDUCING
; TITLE OF INVENTION: ADHESIVENESS OF DEFECTIVE RED BLOOD CELLS
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Robbins, Berliner & Carson
; STREET: 201 North Figueroa Street, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90012-2628
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/03180
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Berliner, Robert
; REGISTRATION NUMBER: 20,121
; REFERENCE/DOCKET NUMBER: 5555-370
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 977-1001
; TELEFAX: (213) 977-1003
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US96-03180-2

Query Match 47.6%; Score 20; DB 5; Length 6;
Best Local Similarity 60.0%; Pred. No. 3e+05;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTKRV 5
Db 1 YVKRV 5

RESULT 12
US-08-438-123-2
; Sequence 2, Application US/08438123
; Patent No. 5552293
; GENERAL INFORMATION:
; APPLICANT: Lindholm et al
; TITLE OF INVENTION: TUMOR ANTIGEN SPECIFIC ANTIBODY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lowe, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,123
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,350
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: J.G. Mullins
; REGISTRATION NUMBER: 33073
; REFERENCE/DOCKET NUMBER: 149-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 684 1111
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
US-08-438-123-10

Query Match 47.6%; Score 20; DB 1; Length 9;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
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; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,350
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: J.G. Mullins
; REGISTRATION NUMBER: 33073
; REFERENCE/DOCKET NUMBER: 149-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 684 1111
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
US-08-438-123-2

Query Match 47.6%; Score 20; DB 1; Length 7;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 4 RVSNVI 9
Db 1 RMSNLV 6

RESULT 13
US-08-438-123-10
; Sequence 10, Application US/08438123
; Patent No. 5552293
; GENERAL INFORMATION:
; APPLICANT: Lindholm et al
; TITLE OF INVENTION: TUMOR ANTIGEN SPECIFIC ANTIBODY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lowe, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,123
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,350
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: J.G. Mullins
; REGISTRATION NUMBER: 33073
; REFERENCE/DOCKET NUMBER: 149-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 684 1111
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
US-08-438-123-10

Query Match 47.6%; Score 20; DB 1; Length 9;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
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Qy 4 RVSNVI 9
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Db 1 RMSNLV 6

RESULT 14
US-08-403-459-1
Sequence 1, Application US/08403459
Patent No. 6514942
GENERAL INFORMATION:
APPLICANT: Ioannides, Constantin G.
APPLICANT: Pisk, Bryan A.
APPLICANT: Ioannides, Maria G.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING
TITLE OF INVENTION: T-LYMPHOCYTES
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/403,459
FILING DATE: Concurrently Herewith
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: UTSC:390/KIT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-403-459-1

Query Match 47.6%; Score 20; DB 4; Length 9;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 IKRVSNV 8
:||||:
Db 3 VKESKV 9

RESULT 15
US-08-531-525-1
Sequence 1, Application US/08531525
Patent No. 5840683
GENERAL INFORMATION:
APPLICANT: Hlavka, Joseph J.
APPLICANT: Pincus, Matthew R.
APPLICANT: No. 5840683le, John F.
APPLICANT: Abajian, Henry B.
APPLICANT: Kenge, Andrew S.
TITLE OF INVENTION: Peptides Inhibiting the Oncogenic Action
TITLE OF INVENTION: Of P21 Ras
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:

ADDRESSEE: Greenlee and Winner, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: Colorado
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,525
FILING DATE: 21-SEP-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Ferber, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 37-94
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-08-531-525-1

Query Match 45.2%; Score 19; DB 2; Length 6;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 IKRVSNV 7
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Db 1 IKRVKD 6

Search completed: April 29, 2004, 10:34:43
Job time: 24 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 10:41:13 ; Search time 41 Seconds
(without alignments)
60.846 Million cell updates/sec

Title: US-09-308-027A-4
Perfect score: 42
Sequence: 1 FIKRVSNVI 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 108479

Minimum DB seq length: 0
Maximum DB seq length: 9

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
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- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	42	100.0	9	14	US-10-354-240-7
2	36	85.7	9	14	Sequence 7, Appli
3	23	54.8	8	15	Sequence 14, Appl
4	23	54.8	8	15	Sequence 367, App
5	22	52.4	7	12	Sequence 368, App
6	22	52.4	8	14	Sequence 6, Appli
7	21	50.0	8	10	Sequence 19, Appl
8	21	50.0	8	15	Sequence 11, Appl
9	21	50.0	9	9	Sequence 370, App
10	21	50.0	9	9	Sequence 122, App
11	21	50.0	9	12	Sequence 28, Appl
12	21	50.0	9	14	Sequence 122, App
13	20	47.6	8	9	Sequence 650, App
14	20	47.6	8	9	Sequence 43, Appl
15	20	47.6	9	13	Sequence 13, Appl
			9	14	Sequence 1, Appli

Sequence 372, App
Sequence 306, App
Sequence 21, Appl
Sequence 230, Appl
Sequence 239, App
Sequence 8, Appli
Sequence 231, App
Sequence 240, App
Sequence 207, App
Sequence 323, App
Sequence 404, App
Sequence 1419, Ap
Sequence 1568, Ap
Sequence 1701, Ap
Sequence 1815, Ap
Sequence 1839, Ap
Sequence 1920, Ap
Sequence 2039, Ap
Sequence 8, Appli
Sequence 724, App
Sequence 20, Appl
Sequence 96, Appl
Sequence 36, Appl
Sequence 68, Appl
Sequence 239, App
Sequence 238, App
Sequence 172, App
Sequence 38, Appl
Sequence 544, App

ALIGNMENTS

RESULT 1
US-10-354-240-7
; Sequence 7, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-7

Query Match 100.0%; Score 42; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e-06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FIKRVSNVI 9
Db 1 FIKRVSNVI 9

RESULT 2
US-10-354-240-14
; Sequence 14, Application US/10354240

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; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akino
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akio
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-10301
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 14
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Cryptosporidium parvum
; US-10-354-240-14

Query Match      85.7%; Score 36; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 IKRVSNVI 9
Db 2 IKRVSNVI 9

RESULT 3
US-10-117-937-367
; Sequence 367, Application US/10117937
; Publication No. US20030220239A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTIMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 367
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-117-937-367

Query Match      54.8%; Score 23; DB 15; Length 8;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 2; Indels 2; Gaps 0;

QY 2 IKRVSNVI 9
Db 1 VKRKNVL 8

RESULT 4
US-10-117-937-368
; Sequence 368, Application US/10117937
; Publication No. US20030220239A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTIMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 368
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-117-937-368

Query Match      54.8%; Score 23; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 2; Indels 2; Gaps 0;

QY 2 IKRVSNVI 9
Db 2 VKRKNVL 9

RESULT 5
US-10-157-240-6
; Sequence 6, Application US/10157240
; Publication No. US20030065145A1
; GENERAL INFORMATION:
; APPLICANT: BURNIE, James P
; APPLICANT: MATTHEWS, Ruth C
; TITLE OF INVENTION: Epitopes of Shigella Like Toxin and Their Use as a
; FILE REFERENCE: 264666
; CURRENT APPLICATION NUMBER: US/10/157,240
; CURRENT FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: US/09/463,129
; PRIOR FILING DATE: 2000-01-20
; PRIOR APPLICATION NUMBER: GB 9715177.3
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: PCT/GB98/02156
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 6
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-10-157-240-6

Query Match      52.4%; Score 22; DB 12; Length 7;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 RVSNV 8
Db 3 RISNV 7

RESULT 6
US-10-257-050-19
; Sequence 19, Application US/10257050
; Publication No. US20030165999A1
; GENERAL INFORMATION:

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/ APPLICANT: ISHIDA, Yuichi
/ TITLE OF INVENTION: Antihypertensive agent
/ FILE REFERENCE: 3190-021
/ CURRENT APPLICATION NUMBER: US/10/257,050
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: PCT/JP01/03034
/ PRIOR FILING DATE: 2001-04-09
/ PRIOR APPLICATION NUMBER: JP P2000-108670
/ PRIOR FILING DATE: 2000-04-10
/ NUMBER OF SEQ ID NOS: 26
/ SOFTWARE: PatentIn Ver. 3.1
/ SEQ ID NO 19
/ LENGTH: 8
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-257-050-19

Query Match      52.4%; Score 22; DB 14; Length 8;
Best Local Similarity 37.5%; Pred. No. 1e+06;
Matches 3; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      1 FIKRVSNV 8
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Db      1 FLKRMPSI 8

RESULT 7
US-09-827-542-11
/ Sequence 11, Application US/09827542
/ Publication No. US20030088057A1
/ GENERAL INFORMATION:
/ APPLICANT: Traugh, Jolinda A.
/ APPLICANT: Traugh, Polygena T.
/ TITLE OF INVENTION: Peptide Substrates Phosphorylated By P21-Activated
/ FILE REFERENCE: UC Case No. US20030088057A1 1999-035-2/Traugh et al.
/ CURRENT APPLICATION NUMBER: US/09/827,542
/ CURRENT FILING DATE: 2001-04-06
/ PRIOR APPLICATION NUMBER: 09/190,964
/ PRIOR FILING DATE: 1998-11-13
/ NUMBER OF SEQ ID NOS: 31
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 11
/ LENGTH: 8
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-827-542-11

Query Match      50.0%; Score 21; DB 10; Length 8;
Best Local Similarity 42.9%; Pred. No. 1e+06;
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      2 IKRVSNV 8
       |||:|:|:
Db      2 VKRISGL 8

RESULT 8
US-10-117-937-370
/ Sequence 370, Application US/10117937
/ Publication No. US20030220239A1
/ GENERAL INFORMATION:
/ APPLICANT: CTL IMMUNO THERAPIES CORP.
/ APPLICANT: SIMARD, John, J.L.
/ APPLICANT: DIAMOND, David, C.
/ APPLICANT: LIU, Liping
/ APPLICANT: XIE, Zhidong
/ TITLE OF INVENTION: EPITOPE SEQUENCES
/ FILE REFERENCE: CTLLM.027A
/ CURRENT APPLICATION NUMBER: US/10/117,937

/ APPLICANT: ISHIDA, Yuichi
/ TITLE OF INVENTION: Antihypertensive agent
/ FILE REFERENCE: 3190-021
/ CURRENT APPLICATION NUMBER: US/10/257,050
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: PCT/JP01/03034
/ PRIOR FILING DATE: 2001-04-09
/ PRIOR APPLICATION NUMBER: JP P2000-108670
/ PRIOR FILING DATE: 2000-04-10
/ NUMBER OF SEQ ID NOS: 26
/ SOFTWARE: PatentIn Ver. 3.1
/ SEQ ID NO 19
/ LENGTH: 8
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-117-937-370

Query Match      50.0%; Score 21; DB 15; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      2 IKRVSNV 8
       |||:|:|:
Db      2 VKRKQNV 8

RESULT 9
US-09-824-787B-122
/ Sequence 122, Application US/09824787B
/ Patent No. US20020155447A1
/ GENERAL INFORMATION:
/ APPLICANT: Zauder, Maurice
/ APPLICANT: Evans, Elizabeth E.
/ APPLICANT: Borrello, Melinda A.
/ TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
/ FILE REFERENCE: 1821.0040001
/ CURRENT APPLICATION NUMBER: US/09/824,787B
/ CURRENT FILING DATE: 2001-04-04
/ PRIOR APPLICATION NUMBER: 60/194,463
/ PRIOR FILING DATE: 2000-04-04
/ NUMBER OF SEQ ID NOS: 147
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 122
/ LENGTH: 9
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-824-787B-122

Query Match      50.0%; Score 21; DB 9; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      2 IKRVSNV 7
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Db      1 IRRASN 6

RESULT 10
US-10-363-791-28
/ Sequence 28, Application US/10363791
/ Publication No. US20040029197A1
/ GENERAL INFORMATION:
/ APPLICANT: TAKIMOTO, Masato
/ APPLICANT: KUZUMAKI, No. US20040029197A1oru
/ APPLICANT: SATO, No. US20040029197A1iyuki
/ APPLICANT: SAHARA, Hiroeki
/ TITLE OF INVENTION: A novel human cancer/testis-associated gene thereof
/ FILE REFERENCE: 4439-4006
/ CURRENT APPLICATION NUMBER: US/10/363,791
/ CURRENT FILING DATE: 2003-03-07
/ PRIOR APPLICATION NUMBER: JP 2000-274218
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 227
/ SOFTWARE: PatentIn version 3.2
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; SEQ ID NO 28
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-363-791-28

Query Match
Best Local Similarity 50.0%; Score 21; DB 12; Length 9;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FIKRV 5
Db 5 FIKRL 9

RESULT 11
US-10-457-829-122
; Sequence 122, Application US/10457829
; Publication No. US20040063907A1
; GENERAL INFORMATION:
; APPLICANT: Zauderer, Maurice
; APPLICANT: Evans, Elizabeth E.
; APPLICANT: Borrello, Melinda A.
; TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
; TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
; FILE REFERENCE: 1821.0040005
; CURRENT APPLICATION NUMBER: US/10/457,829
; CURRENT FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: US 60/464,650
; PRIOR FILING DATE: 2003-04-23
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 122
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-457-829-122

Query Match
Best Local Similarity 50.0%; Score 21; DB 12; Length 9;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 IKRVN 7
Db 1 IRRASN 6

RESULT 12
US-10-239-313A-650
; Sequence 650, Application US/10239313A
; Publication No. US20030175285A1
; GENERAL INFORMATION:
; APPLICANT: KLINGUER - HAMOUR, Christine
; APPLICANT: CORVAIA, Nathalie
; APPLICANT: BECK, Alain
; APPLICANT: GOETSCH, Lilliane
; TITLE OF INVENTION: MOLECULE OF PHARMACEUTICAL INTEREST COMPRISING AT ITS
; TITLE OF INVENTION: N-TERMINAL A GLUTAMIC ACID OR A GLUTAMINE IN THE FORM
; TITLE OF INVENTION: OF A PHYSIOLOGICALLY ACCEPTABLE STRONG ACID
; FILE REFERENCE: 343 727 - US
; CURRENT APPLICATION NUMBER: US/10/239,313A
; CURRENT FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: FR 00/03711
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT 01/70772
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 697
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 650
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-239-313A-650

; SEQ ID NO 28
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-363-791-28

Query Match
Best Local Similarity 50.0%; Score 21; DB 14; Length 9;
Matches 2; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1 FIKRVN 7
Db 2 YLKIKN 8

RESULT 13
US-09-950-313-43
; Sequence 43, Application US/09950313
; Patent No. US20020102610A1
; GENERAL INFORMATION:
; APPLICANT: TOMSEND, ROBERT
; APPLICANT: ROBINSON, ANDREW
; TITLE OF INVENTION: AUTOMATED IDENTIFICATION OF PEPTIDES
; FILE REFERENCE: 9195-064
; CURRENT APPLICATION NUMBER: US/09/950,313
; CURRENT FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: UK 0022,136.6
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,273
; PRIOR FILING DATE: 2000-09-13
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-950-313-43

Query Match
Best Local Similarity 47.6%; Score 20; DB 9; Length 8;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 VSNVI 9
Db 3 VSNVL 7

RESULT 14
US-10-042-202-13
; Sequence 13, Application US/10042202
; Publication No. US20020136733A1
; GENERAL INFORMATION:
; APPLICANT: Adrian Vivian Sinton Hill, Michael AIDOO,
; Catherine Elizabeth Margaret ALLSOPP, Ajit LALVANI, Magdalena
; PLEBANSKI, Hilton Carter WHITTLE,
; TITLE OF INVENTION: MALARIA PEPTIDES
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WENDEROTH, LIND & PONACK, L.L.P.
; STREET: 2033 K Street, N.W., Suite 800,
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20006-1021
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPad for Windows 95
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/042,202
; FILING DATE: 11-Jan-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/714,175
; FILING DATE: 28-JAN-1997
; APPLICATION NUMBER: WO PCT/GB95/26982
; FILING DATE: 30-MAR-1995
; APPLICATION NUMBER: GB 9406492.0

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; FILING DATE: 31-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER: 2002_0026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)-721-8200
; TELEFAX: (202)-721-8250
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-042-202-13
Query Match 47.6%; Score 20; DB 13; Length 9;
Best Local Similarity 37.5%; Pred. No. 1e+06; 2; Indels 0; Gaps 0;
Matches 3; Conservative 3; Mismatches 2;

QY 2 IKRVSNVI 9
Db 1 LKKIKNSI 8

RESULT 15
US-10-001-546-1
; Sequence 1, Application US/10001546
; Publication No. US2003002766A1
; GENERAL INFORMATION:
; APPLICANT: IOANNIDES, CONSTANTIN G.
; APPLICANT: FISK, BRYAN A.
; APPLICANT: IOANNIDES, MARIA G.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING
; TITLE OF INVENTION: T-LYMPHOCYTES
; FILE REFERENCE: UTSC:390USC2
; CURRENT APPLICATION NUMBER: US/10/001,546
; CURRENT FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 08/403,459
; PRIOR FILING DATE: 1995-03-14
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-001-546-1
Query Match 47.6%; Score 20; DB 14; Length 9;
Best Local Similarity 57.1%; Pred. No. 1e+06; 2; Indels 0; Gaps 0;
Matches 4; Conservative 1; Mismatches 2;

QY 2 IKRVSNV 8
Db 3 VKEVSKV 9

Search completed: April 29, 2004, 10:47:36
Job time : 41 secs
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-3
Perfect score: 80
Sequence: 1 PCVFKRVSNVING 15
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	29	36.2	11	4	US-09-380-836-16
2	29	36.2	11	5	PCT-US93-05325-15
3	29	36.2	11	5	PCT-US93-05325-15
4	29	36.2	15	5	PCT-US93-05325-15
5	29	36.2	15	5	PCT-US93-05325-15
6	28	35.0	15	4	US-09-347-504-42
7	28	35.0	15	4	US-10-161-499-42
8	27.5	34.4	15	4	US-09-347-504-59
9	27.5	34.4	15	4	US-10-161-499-59
10	27	33.8	11	4	US-09-380-836-12
11	26	32.5	11	1	US-08-477-727A-56
12	26	32.5	12	4	US-09-462-118-13
13	26	32.5	13	3	US-09-040-216-10
14	26	32.5	15	3	US-09-100-414B-6
15	26	32.5	15	3	US-09-303-323-6
16	26	32.5	15	4	US-09-770-014-6
17	25	31.2	10	1	US-07-930-649-5
18	25	31.2	10	5	PCT-US93-05235-5
19	25	31.2	11	1	US-07-778-233B-37
20	25	31.2	11	1	US-07-963-321-37
21	25	31.2	11	1	US-07-932-200-14
22	25	31.2	11	1	US-08-290-641-37
23	25	31.2	11	1	US-08-548-540-37
24	25	31.2	11	2	US-08-387-749-14
25	25	31.2	11	4	US-09-567-003C-6
26	25	31.2	11	5	PCT-US93-08231-14
27	25	31.2	11	5	PCT-US96-09809-37

28	25	31.2	12	3	US-08-660-092-216	Sequence 216, App
29	25	31.2	12	4	US-09-160-513-216	Sequence 216, App
30	24	30.0	8	6	5171845-5	Patent No. 5171845
31	24	30.0	10	1	US-08-343-943-6	Sequence 6, Appli
32	24	30.0	10	3	US-08-836-075A-187	Sequence 187, App
33	24	30.0	11	1	US-08-343-943-11	Sequence 11, Appl
34	24	30.0	11	4	US-09-380-836-10	Sequence 10, Appl
35	24	30.0	11	4	US-09-380-836-11	Sequence 11, Appl
36	24	30.0	12	1	US-07-778-233B-48	Sequence 48, Appl
37	24	30.0	12	1	US-07-963-321-48	Sequence 48, Appl
38	24	30.0	12	1	US-08-290-641-48	Sequence 48, Appl
39	24	30.0	12	1	US-08-548-540-48	Sequence 48, Appl
40	24	30.0	12	5	PCT-US96-09809-48	Sequence 12, Appl
41	24	30.0	13	1	US-07-932-200-12	Sequence 24, Appl
42	24	30.0	13	1	US-08-486-057B-24	Sequence 24, Appl
43	24	30.0	13	2	US-08-387-749-12	Sequence 24, Appl
44	24	30.0	13	2	US-08-789-588-24	Sequence 24, Appl
45	24	30.0	13	5	PCT-US93-08231-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1
US-09-380-836-16
; Sequence 16, Application US/09380836
; Patent No. 6551775
; GENERAL INFORMATION:
; APPLICANT: Lifton, Richard P.
; APPLICANT: Chang, Sue S.
; APPLICANT: Rossier, Bernard C.
; TITLE OF INVENTION: Method to Diagnose and Treat Pathological Conditions
; TITLE OF INVENTION: Resulting from Deficient Ion Transport such as
; TITLE OF INVENTION: Pseudohypoaldosteronism Type-1
; FILE REFERENCE: 44574-5018-US
; CURRENT APPLICATION NUMBER: US/09/380,836
; CURRENT FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/040,171
; PRIOR FILING DATE: 1997-03-11
; PRIOR APPLICATION NUMBER: PCT/US98/04681
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Segment of delta ENaC protein
US-09-380-836-16
Query Match 36.2%; Score 29; DB 4; Length 11;
Best Local Similarity 71.4%; Pred. No. 81;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 9 SNVIHG 15
DB 2 TNALHG 8
RESULT 2
PCT-US93-05325-16
; Sequence 16, Application PC/TUS9305325
; GENERAL INFORMATION:
; APPLICANT: SRI, INTERNATIONAL
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO ACTIVE DOMAINS
; TITLE OF INVENTION: OF PLATELET-DERIVED GROWTH FACTOR (PDGF)
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SRI INTERNATIONAL ATTN: INTELLECTUAL PROPERTY
; ADDRESS: COUNSEL
; STREET: 333 Ravenswood Avenue
; CITY: Menlo Park

Thu Apr 29 11:08:52 2004

us-09-308-027a-3.closed.ra1

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; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/05325
; FILING DATE: 19930603
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,497
; FILING DATE: 05-JUN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: PCT-2679
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 859-2446
; TELEFAX: (415) 859-3880
; TELEX: 334486
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; PCT-US93-05325-16

Query Match 36.2%; Score 29; DB 5; Length 11;
Best Local Similarity 55.6%; Pred. No. 81;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 PCVFIKRV 9
Db 3 PCVEVQRCS 11

RESULT 3
PCT-US93-05325-36
; Sequence 36, Application PC/TUS9305325
; GENERAL INFORMATION:
; APPLICANT: SRI, INTERNATIONAL
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO ACTIVE DOMAINS
; TITLE OF INVENTION: OF PLATELET-DERIVED GROWTH FACTOR (PDGF)
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SRI INTERNATIONAL ATTN: INTELLECTUAL PROPERTY
; STREET: 333 Ravenswood Avenue
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/05325
; FILING DATE: 19930603
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,497
; FILING DATE: 05-JUN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: PCT-2679
; TELECOMMUNICATION INFORMATION:

```

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; TELEPHONE: (415) 859-2446
; TELEFAX: (415) 859-3880
; TELEX: 334486
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Disulfide-bond
; LOCATION: 4
; OTHER INFORMATION: /note= "This position has disulfide
; OTHER INFORMATION: bond to corresponding position on identical
; OTHER INFORMATION: sequence."
; FEATURE:
; NAME/KEY: Disulfide-bond
; LOCATION: 10
; OTHER INFORMATION: /note= "This position has disulfide
; OTHER INFORMATION: bond to corresponding position on identical
; OTHER INFORMATION: sequence."
; PCT-US93-05325-36

Query Match 36.2%; Score 29; DB 5; Length 11;
Best Local Similarity 55.6%; Pred. No. 81;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 PCVFIKRV 9
Db 3 PCVEVQRCS 11

RESULT 4
PCT-US93-05325-15
; Sequence 15, Application PC/TUS9305325
; GENERAL INFORMATION:
; APPLICANT: SRI, INTERNATIONAL
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO ACTIVE DOMAINS
; TITLE OF INVENTION: OF PLATELET-DERIVED GROWTH FACTOR (PDGF)
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SRI INTERNATIONAL ATTN: INTELLECTUAL PROPERTY
; STREET: 333 Ravenswood Avenue
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/05325
; FILING DATE: 19930603
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,497
; FILING DATE: 05-JUN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: PCT-2679
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 859-2446
; TELEFAX: (415) 859-3880
; TELEX: 334486
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear

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MOLECULE TYPE: peptide
PCT-US93-05325-15

Query Match 36.2%; Score 29; DB 5; Length 15;
Best Local Similarity 55.6%; Pred. No. 1.1e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 PCVFIKRV 9
DB 7 PCVEVQRCS 15

RESULT 5
PCT-US93-05325-35
; Sequence 35, Application PC/TUS9305325
; GENERAL INFORMATION:
; APPLICANT: SRI, INTERNATIONAL
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO ACTIVE DOMAINS
; TITLE OF INVENTION: OF PLATELET-DERIVED GROWTH FACTOR (PDGF)
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SRI INTERNATIONAL ATTN: INTELLECTUAL PROPERTY
; ADDRESS: COUNSEL
; STREET: 333 Ravenswood Avenue
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/05325
; FILING DATE: 19930603
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,497
; FILING DATE: 05-JUN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: PCT-2679
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 859-2446
; TELEFAX: (415) 859-3880
; TELEX: 334486
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Disulfide-bond
; LOCATION: 8
; OTHER INFORMATION: /note= "This position has disulfide
; OTHER INFORMATION: bond to corresponding position of identical
; OTHER INFORMATION: sequence."
; FEATURE:
; NAME/KEY: Disulfide-bond
; LOCATION: 14
; OTHER INFORMATION: /note= "This position has disulfide
; OTHER INFORMATION: bond to corresponding position of identical
; OTHER INFORMATION: sequence."
PCT-US93-05325-35

Query Match 36.2%; Score 29; DB 5; Length 15;
Best Local Similarity 55.6%; Pred. No. 1.1e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 PCVFIKRV 9

DB 7 PCVEVQRCS 15

RESULT 6
US-09-347-504-42
; Sequence 42, Application US/09347504
; Patent No. 6399075
; GENERAL INFORMATION:
; APPLICANT: Howley, Peter M.
; APPLICANT: Benson, John
; APPLICANT: Kasukawa, Hiroaki
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS
; FILE REFERENCE: HMV-041.01
; CURRENT APPLICATION NUMBER: US/09/347,504
; CURRENT FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 42
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: HPV34
US-09-347-504-42

Query Match 35.0%; Score 28; DB 4; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.7e+02;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 7 RVSNVLIH 14
DB 5 RLENVLH 12

RESULT 7
US-10-161-499-42
; Sequence 42, Application US/10161499
; Patent No. 6673354
; GENERAL INFORMATION:
; APPLICANT: Howley, Peter M.
; APPLICANT: Benson, John
; APPLICANT: Kasukawa, Hiroaki
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS
; FILE REFERENCE: HMV-041.01
; CURRENT APPLICATION NUMBER: US/10/161,499
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: US/09/347,504
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 42
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: HPV34
US-10-161-499-42

Query Match 35.0%; Score 28; DB 4; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.7e+02;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 7 RVSNVLIH 14
DB 5 RLENVLH 12

RESULT 8
US-09-347-504-59
; Sequence 59, Application US/09347504


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; Patent No. 6399075
; GENERAL INFORMATION:
; APPLICANT: Howley, Peter M.
; APPLICANT: Benson, John
; APPLICANT: Kasukawa, Hiroaki
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS
; FILE REFERENCE: HMV-041.01
; CURRENT APPLICATION NUMBER: US/09/347,504
; CURRENT FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 59
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Pan Troglodytes
; FEATURE:
; OTHER INFORMATION: common PVI
US-09-347-504-59

Query Match      34.4%; Score 27.5; DB 4; Length 15;
Best Local Similarity 46.2%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 3; Gaps 1;

CY 2 CVFIKRVSNVLIH 14
DB 3 CV---RYENVLLH 12

RESULT 9
US-10-161-499-59
; Sequence 59, Application US/10161499
; Patent No. 6673354
; GENERAL INFORMATION:
; APPLICANT: Howley, Peter M.
; APPLICANT: Benson, John
; APPLICANT: Kasukawa, Hiroaki
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS
; FILE REFERENCE: HMV-041.01
; CURRENT APPLICATION NUMBER: US/10/161,499
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: US/09/347,504
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 59
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Pan Troglodytes
; FEATURE:
; OTHER INFORMATION: common PVI
US-10-161-499-59

Query Match      34.4%; Score 27.5; DB 4; Length 15;
Best Local Similarity 46.2%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 3; Gaps 1;

CY 2 CVFIKRVSNVLIH 14
DB 3 CV---RYENVLLH 12

RESULT 10
US-09-380-836-12
; Sequence 12, Application US/09380836
; Patent No. 6551775
; GENERAL INFORMATION:
; APPLICANT: Lifton, Richard P.
; APPLICANT: Chang, Sue S.
; APPLICANT: Rossier, Bernard C.
; TITLE OF INVENTION: Method to Diagnose and Treat Pathological Conditions
; TITLE OF INVENTION: Resulting from Deficient Ion Transport such as

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; TITLE OF INVENTION: Pseudohypocaldosteronism Type-1
; FILE REFERENCE: 44574-5018-US
; CURRENT APPLICATION NUMBER: US/09/380,836
; CURRENT FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/040,171
; PRIOR FILING DATE: 1997-03-11
; PRIOR APPLICATION NUMBER: PCI/US98/04681
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Xenopus laevis
; FEATURE:
; OTHER INFORMATION: Segment of alpha ENaC protein
US-09-380-836-12

Query Match      33.8%; Score 27; DB 4; Length 11;
Best Local Similarity 71.4%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

CY 9 SNVIHIG 15
DB 2 SNTTTHG 8

RESULT 11
US-08-477-727A-56
; Sequence 56, Application US/08477727A
; Patent No. 5739106
; GENERAL INFORMATION:
; APPLICANT: Rink, Timothy
; APPLICANT: Young, Andrew
; APPLICANT: Beesley, Nigel
; APPLICANT: Prickett, Kathryn
; TITLE OF INVENTION: APPETITE REGULATING
; TITLE OF INVENTION: COMPOSITIONS
; NUMBER OF SEQUENCES: 108
; CORRESPONDENCE ADDRESS:
; ADDRESS: LYON & LYON
; STREET: 633 WEST FIFTH STREET, SUITE 4700
; CITY: LOS ANGELES
; STATE: CA
; COUNTRY: USA
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,727A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: DUFT, BRADFORD J
; REGISTRATION NUMBER: 32,219
; REFERENCE/DOCKET NUMBER: 214/005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-552-8400
; TELEFAX: 619-552-0157
; TELEX:
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

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; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
US-08-477-727A-56

Query Match          32.5%; Score 26; DB 1; Length 11;
Best Local Similarity 33.3%; Pred. No. 2.7e+02;
Matches 3; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY      6 KRVSNNVIH 14
       :|:|:|:|
DB      3 QRLANFLVH 11

RESULT 12
US-09-462-118-13
; Sequence 13, Application US/09462118
; Patent No. 6610833
; GENERAL INFORMATION:
; APPLICANT: Rodman, Toby C.
; TITLE OF INVENTION: Monoclonal Human Natural Antibodies
; FILE REFERENCE: 4436/1G074-US1
; CURRENT APPLICATION NUMBER: US/09/462,118
; CURRENT FILING DATE: 1999-12-18
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Human
US-09-462-118-13

Query Match          32.5%; Score 26; DB 4; Length 12;
Best Local Similarity 30.0%; Pred. No. 2.9e+02;
Matches 3; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY      5 IKRVSNVIH 14
       :|:|:|:|
DB      3 VERLQVLLH 12

RESULT 13
US-09-040-216-10
; Sequence 10, Application US/09040216
; Patent No. 6030942
; GENERAL INFORMATION:
; APPLICANT: COOPERMAN, ET AL., BARRY
; TITLE OF INVENTION: PEPTIDES, PEPTIDE ANALOGS, PEPTIDOMIMETICS, AND OTHER
; TITLE OF INVENTION: SMALL MOLECULES USEFUL FOR INHIBITING THE ACTIVITY OF
; TITLE OF INVENTION: RIBONUCLEOTIDE REDUCTASE
; FILE REFERENCE: 9596-6301
; CURRENT APPLICATION NUMBER: US/09/040,216
; CURRENT FILING DATE: 1998-03-17
; EARLIER APPLICATION NUMBER: 08/919,748
; EARLIER FILING DATE: 1997-08-28
; EARLIER APPLICATION NUMBER: 60/025,146
; EARLIER FILING DATE: 1996-08-30
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: alpha13 helix-like region of murine R1
US-09-040-216-10

Query Match          32.5%; Score 26; DB 3; Length 13;
Best Local Similarity 62.5%; Pred. No. 3.2e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 PCVFIRKV 8

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Db      1 PDLFMKRV 8

RESULT 14
US-09-100-414B-6
; Sequence 6, Application US/09100414B
; Patent No. 6025468
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/100,414B
; FILING DATE: 20-JUNE-1998
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-100-414B-6

Query Match          32.5%; Score 26; DB 3; Length 15;
Best Local Similarity 40.0%; Pred. No. 3.7e+02;
Matches 4; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY      5 IKRVSNVIH 14
       :|:|:|:|
DB      1 ISEIKGVIVH 10

RESULT 15
US-09-303-323-6
; Sequence 6, Application US/09303323
; Patent No. 622987
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows

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; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/303,323
; FILING DATE: 30-APR-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/100,414
; FILING DATE: 20-JUNE-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-303-323-6

Query Match      32.5%; Score 26; DB 3; Length 15;
Best Local Similarity 40.0%; Pred. No. 3.7e+02;
Matches 4; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY      5 IKRVSNVTH 14
Db      1 ISEIKGVIVH 10

Search completed: April 29, 2004, 09:27:27
Job time : 11.85 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-3

Perfect score: 80

Sequence: 1 PCVFIKRVSNVIHG 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PTC_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PTC05_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	80	100.0	15	14	US-10-354-240-36
2	80	100.0	15	14	US-10-354-240-159
3	80	100.0	15	14	US-10-354-240-163
4	74	92.5	14	14	US-10-354-240-169
5	73	91.2	14	14	US-10-354-240-164
6	66	82.5	13	14	US-10-354-240-170
7	64	80.0	13	14	US-10-354-240-13
8	64	80.0	13	14	US-10-354-240-165
9	64	80.0	13	14	US-10-354-240-174
10	62	77.5	12	14	US-10-354-240-171
11	60	75.0	12	14	US-10-354-240-166
12	58	72.5	11	14	US-10-354-240-172
13	54	67.5	10	14	US-10-354-240-173
14	54	67.5	11	14	US-10-354-240-167
15	54	67.5	15	14	US-10-354-240-35

16	50	62.5	10	14	US-10-354-240-168	Sequence 169, Appl
17	50	62.5	15	14	US-10-354-240-37	Sequence 37, Appl
18	42	52.5	9	14	US-10-354-240-7	Sequence 7, Appl
19	36	45.0	9	14	US-10-354-240-14	Sequence 14, Appl
20	30	37.5	15	14	US-10-354-240-34	Sequence 34, Appl
21	28	35.0	15	14	US-10-161-439-42	Sequence 42, Appl
22	27.5	34.4	15	14	US-10-161-499-59	Sequence 59, Appl
23	26	32.5	10	10	US-09-573-822C-24	Sequence 24, Appl
24	26	32.5	12	14	US-10-247-946-13	Sequence 13, Appl
25	26	32.5	12	9	US-09-956-625-2	Sequence 2, Appl
26	26	32.5	13	9	US-10-060-102-19	Sequence 19, Appl
27	26	32.5	14	14	US-10-060-102-20	Sequence 20, Appl
28	26	32.5	14	14	US-09-747-802-35	Sequence 35, Appl
29	26	32.5	15	10	US-09-747-802-38	Sequence 38, Appl
30	26	32.5	15	10	US-09-747-802-42	Sequence 42, Appl
31	26	32.5	15	10	US-09-865-294-27	Sequence 27, Appl
32	26	32.5	15	10	US-09-865-294-30	Sequence 30, Appl
33	26	32.5	15	10	US-09-865-294-34	Sequence 34, Appl
34	26	32.5	15	10	US-10-001-469-2754	Sequence 2754, Ap
35	26	32.5	15	14	US-10-354-240-38	Sequence 38, Appl
36	26	32.5	15	14	US-10-189-437-550	Sequence 550, App
37	25.5	31.9	14	14	US-09-920-174-12	Sequence 12, Appl
38	25	31.2	9	9	US-09-845-042-36	Sequence 36, Appl
39	25	31.2	9	10	US-09-920-195A-12	Sequence 12, Appl
40	25	31.2	9	10	US-09-809-029-3	Sequence 3, Appl
41	25	31.2	10	10	US-09-573-822C-72	Sequence 72, Appl
42	25	31.2	10	14	US-10-072-602B-503	Sequence 503, App
43	25	31.2	12	15	US-10-044-844-216	Sequence 216, App
44	25	31.2	15	14	US-10-257-050-3	Sequence 3, Appl
45	25	31.2	15	14		

ALIGNMENTS

RESULT 1
US-10-354-240-36
; Sequence 36, Application US/10354240
; Publication No. US20030185847A1

GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dise
; FILE REFERENCE: SFO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JF97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 36
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22
US-10-354-240-36

Query Match 100.0%; Score 80; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 PCVFIKRVSNVIHG 15
DB 1 PCVFIKRVSNVIHG 15

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RESULT 2
US-10-354-240-159
; Sequence 159, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 159
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row b
US-10-354-240-159

Query Match          100.0%; Score 80; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e-07; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0;

QY      1 PCVFIKRVSNVIHG 15
DB      1 PCVFIKRVSNVIHG 15

RESULT 3
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 163
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163

Query Match          100.0%; Score 80; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e-07; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0;

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QY      1 PCVFIKRVSNVIHG 15
DB      1 PCVFIKRVSNVIHG 15

RESULT 4
US-10-354-240-169
; Sequence 169, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 169
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-7.
US-10-354-240-169

Query Match          92.5%; Score 74; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.4e-06; Indels 0; Gaps 0;
Matches 14; Conservative 0; Mismatches 0;

QY      1 PCVFIKRVSNVIHG 14
DB      1 PCVFIKRVSNVIHG 14

RESULT 5
US-10-354-240-164
; Sequence 164, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164

Query Match          91.2%; Score 73; DB 14; Length 14;

```

```
Best Local Similarity 100.0%; Pred. No. 5.1e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 CVFIKRVSNVIHG 15
DB 1 CVFIKRVSNVIHG 14

RESULT 6
US-10-354-240-170
; Sequence 170, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 170
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-8.
US-10-354-240-170

Query Match 82.5%; Score 66; DB 14; Length 13;
Best Local Similarity 100.0%; Pred. No. 8e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PCVFIKRVSNVII 13
DB 1 PCVFIKRVSNVII 13

RESULT 7
US-10-354-240-13
; Sequence 13, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-13

Query Match 80.0%; Score 64; DB 14; Length 13;
```

```
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 VFIIKRVSNVIHG 15
DB 1 VFIIKRVSNVIHG 13

RESULT 8
US-10-354-240-165
; Sequence 165, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-10-354-240-165

Query Match 80.0%; Score 64; DB 14; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 VFIIKRVSNVIHG 15
DB 1 VFIIKRVSNVIHG 13

RESULT 9
US-10-354-240-174
; Sequence 174, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 174
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
```

US-10-354-240-174

Query Match 80.0%; Score 64; DB 14; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 VFIRKVSNIHNG 15
| | | | | | | | | | | | |
Db 1 VFIRKVSNIHNG 13

RESULT 10

US-10-354-240-171
; Sequence 171, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 171
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-9.
US-10-354-240-171

Query Match 77.5%; Score 62; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.00037;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PCVFIRKVSNI 12
| | | | | | | | | | | | |
Db 1 PCVFIRKVSNI 12

RESULT 11

US-10-354-240-166
; Sequence 166, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica

FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-10-354-240-166

Query Match 75.0%; Score 60; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.00084;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 FIKRVSNVIHNG 15
| | | | | | | | | | | | |
Db 1 FIKRVSNVIHNG 12

RESULT 12

US-10-354-240-172
; Sequence 172, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 172
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-10.
US-10-354-240-172

Query Match 72.5%; Score 58; DB 14; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0017;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PCVFIRKVSNI 11
| | | | | | | | | | | | |
Db 1 PCVFIRKVSNI 11

RESULT 13

US-10-354-240-173
; Sequence 173, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 173

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; LENGTH: 10
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-11.
US-10-354-240-173

Query Match      67.5%; Score 54; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0078;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PCVFIKRVSN 10
Db 1 PCVFIKRVSN 10

; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryl peptide, Figure 1, Row 21
US-10-354-240-35

Query Match      67.5%; Score 54; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PCVFIKRVSN 10
Db 6 PCVFIKRVSN 15

Search completed: April 29, 2004, 10:34:07
Job time : 30.85 secs
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RESULT 14
US-10-354-240-167
; Sequence 167, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 167
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-5.
US-10-354-240-167

Query Match      67.5%; Score 54; DB 14; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0057;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 IKRVSNVIHG 15
Db 1 IKRVSNVIHG 11
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RESULT 15
US-10-354-240-35
; Sequence 35, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds
(without alignments)
65.349 Million cell updates/sec

Title: US-09-308-027A-2
Perfect score: 83
Sequence: 1 GATDRPLWIFSGN 15

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

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Minimum DB seq length: 0
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Maximum Match 100%
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5: /cgn2_6/prodata/2/1aa/PTUS-COMB.pep:*
6: /cgn2_6/prodata/2/1aa/backfiles1.pep:*

ALIGNMENTS

RESULT 1
US-08-665-202-21
; Sequence 21 Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-21

Sequence 1, Appli
Sequence 1639, Ap
Sequence 20, Appl
Sequence 20, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 118, App
Sequence 75, Appl
Sequence 668, App
Sequence 739, App
Sequence 661, App
Sequence 4, Appli
Sequence 211, App
Sequence 23, Appl
Sequence 28, Appl
Sequence 23, Appl

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	35	42.2	11	2	US-08-665-202-21
2	35	42.2	11	4	US-09-315-574-21
3	34	41.0	11	2	US-08-665-202-23
4	34	41.0	11	1	US-09-315-574-23
5	30	36.1	7	3	US-09-139-802-146
6	30	36.1	7	4	US-09-659-786-146
7	30	36.1	7	4	US-08-926-914-146
8	27	32.5	8	3	US-08-836-325-4
9	27	32.5	11	1	US-07-822-043-8
10	27	32.5	11	1	US-08-346-455B-8
11	27	32.5	11	2	US-08-665-202-24
12	27	32.5	11	3	US-08-977-221-8
13	27	32.5	11	4	US-09-483-831B-8
14	27	32.5	11	4	US-09-410-551B-39
15	27	32.5	11	4	US-09-315-574-24
16	27	32.5	11	5	PCT-US95-06613-8
17	27	32.5	13	2	US-08-679-865-13
18	27	32.5	13	2	US-08-680-876-13
19	27	32.5	13	3	US-09-263-975-13
20	27	32.5	13	4	US-09-129-192C-13
21	27	32.5	15	3	US-08-602-999A-171
22	27	32.5	15	4	US-09-500-124-171
23	26	31.3	9	2	US-08-993-581B-31
24	26	31.3	12	2	US-08-406-330-74
25	26	31.3	12	2	US-08-556-597-74
26	26	31.3	14	3	US-08-837-226-13
27	26	31.3	15	1	US-08-310-340A-1

Query Match 42.2%; Score 35; DB 2; Length 11;
Best Local Similarity 75.0%; Pred. No. 5.6;

```

; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-23

Query Match 41.0%; Score 34; DB 2; Length 11;
Best Local Similarity 75.0%; Pred. No. 8.4;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATRDRPLW 9
Db 1 ASWDRPLW 8

RESULT 4
US-09-315-574-23
; Sequence 23, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5512097el High Affinity Human Antibodies to
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-315-574-21

Query Match 42.2%; Score 35; DB 4; Length 11;
Best Local Similarity 75.0%; Pred. No. 5.6;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 ATRDRPLW 9
Db 1 ASWDRPLW 8

RESULT 3
US-08-665-202-23
; Sequence 23, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.

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;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/315,574
;; FILING DATE: 20-MAY-99
;; CLASSIFICATION: 530
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/000,238
;; FILING DATE: 14-JUN-1995
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/000,250
;; FILING DATE: 15-JUN-1995
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/665,202
;; FILING DATE: 13-JUN-1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Hunter, Tom
;; REGISTRATION NUMBER: 38,498
;; REFERENCE/DOCKET NUMBER: 02307B-061411
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 576-0200
;; TELEFAX: (415) 576-0300
;; INFORMATION FOR SEQ ID NO: 23:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 11 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-09-315-574-23

Query Match 41.0%; Score 34; DB 4; Length 11;
Best Local Similarity 75.0%; Pred. No. 8.4;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATRDRPLW 9
| | | | |
Db 1 AAWDRPLW 8

RESULT 5
US-09-139-802-146
; Sequence 146, Application US/09139802
; Patent No. 6180084
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using
; FILE OF INVENTION: Same
; FILE REFERENCE: P-LJ 3203
; CURRENT APPLICATION NUMBER: US/09/139,802
; CURRENT FILING DATE: 1998-08-25
; EARLIER APPLICATION NUMBER: 08/926,914
; EARLIER FILING DATE: 1997-09-10
; EARLIER APPLICATION NUMBER: 08/710,067
; EARLIER FILING DATE: 1996-09-10
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 146
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-139-802-146

Query Match 36.1%; Score 30; DB 3; Length 7;
Best Local Similarity 57.1%; Pred. No. 36+05;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 7 PLWIIFS 13
| | | | |
Db 1 PKWLIFS 7

RESULT 6
US-09-659-786-146
; Sequence 146, Application US/09659786
; Patent No. 6491894
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using
; FILE OF INVENTION: Same
; FILE REFERENCE: P-LJ 3203
; CURRENT APPLICATION NUMBER: US/09/659,786
; CURRENT FILING DATE: 2000-09-11
; PRIOR APPLICATION NUMBER: 08/926,914
; PRIOR FILING DATE: 1997-09-10
; PRIOR APPLICATION NUMBER: 08/710,067
; PRIOR FILING DATE: 1996-09-10
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 146
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-659-786-146

Query Match 36.1%; Score 30; DB 4; Length 7;
Best Local Similarity 57.1%; Pred. No. 36+05;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 7 PLWIIFS 13
| | | | |
Db 1 PKWLIFS 7

RESULT 7
US-08-926-914-146
; Sequence 146, Application US/08926914
; Patent No. 6576239
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: Tumor Homing Molecules, Conjugates
; TITLE OF INVENTION: Derived Therefrom, and Methods of Using Same
; NUMBER OF SEQUENCES: 199
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/926,914
; FILING DATE: 10-SEP-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2725
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 146:

SEQUENCE CHARACTERISTICS:
 LENGTH: 7 amino acids
 TYPE: amino acid
 TOPOLOGY: both
 MOLECULE TYPE: peptide
 US-08-926-914-146

Query Match 36.1%; Score 30; DB 4; Length 7;
 Best Local Similarity 57.1%; Pred. No. 3e+05;
 Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 PLWIFS 13
 DB 1 PKWLLFS 7

RESULT 8
 US-08-936-325-4
 ; Sequence 4, Application US/08836325
 ; Patent No. 610672
 ; GENERAL INFORMATION:
 ; APPLICANT: Mandel, Gail
 ; APPLICANT: Halegoua, Simon
 ; APPLICANT: Borden, Laurence A.
 ; TITLE OF INVENTION: Peripheral Nervous System Specific
 ; TITLE OF INVENTION: Sodium Channels, DNA Encoding Therefor, Crystallization,
 ; TITLE OF INVENTION: X-ray Diffraction, Computer Molecular Modeling, Rational
 ; TITLE OF INVENTION: Drug Design, Drug Screening, and Methods of Making and Using
 ; TITLE OF INVENTION: Thereof
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C
 ; STREET: 1100 New York Ave., N. W., Suite 600
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005-3934
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/836,325
 ; FILING DATE: 2-MAY-1997
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/14251
 ; FILING DATE: 02-NOV-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/482,401
 ; FILING DATE: 07-JUN-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/334,029
 ; FILING DATE: 02-NOV-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ludwig, Steven R.
 ; REGISTRATION NUMBER: 36,203
 ; REFERENCE/DOCKET NUMBER: 0917.0240002
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-371-2600
 ; TELEFAX: 202-371-2540
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 8 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-08-936-325-4

Query Match 32.5%; Score 27; DB 3; Length 8;
 Best Local Similarity 80.0%; Pred. No. 3e+05;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 WIIFS 13
 DB 2 WLIFS 6

RESULT 9
 US-07-822-043-8
 ; Sequence 8, Application US/07822043
 ; Patent No. 5449753
 ; GENERAL INFORMATION:
 ; APPLICANT: STRACKE, MARY
 ; APPLICANT: LIOTTA, LANCE
 ; APPLICANT: SCHIFFMANN, ELLIOTT
 ; APPLICANT: KRUTZSCH, HENRY
 ; TITLE OF INVENTION: MOTILITY STIMULATING PROTEIN USEFUL IN
 ; TITLE OF INVENTION: CANCER DIAGNOSIS AND THERAPY
 ; NUMBER OF SEQUENCES: 33
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CUSHMAN DABY AND CUSHMAN
 ; STREET: 1615 L STREET, N.W.
 ; CITY: WASHINGTON
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Tape
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/822,043
 ; FILING DATE: 19920117
 ; CLASSIFICATION: 530
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: SCOTT, WATSON T
 ; REGISTRATION NUMBER: 26581
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (202)-861-3000
 ; TELEFAX: (202) 822-0944
 ; TELEX: 6714627CUSH
 ; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 11 amino acids
 ; TYPE: AMINO ACID
 ; TOPOLOGY: linear
 ; US-07-822-043-8

Query Match 32.5%; Score 27; DB 1; Length 11;
 Best Local Similarity 80.0%; Pred. No. 1.4e+02;
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 RPLWI 10
 DB 3 QPLWI 7

RESULT 10
 US-08-345-455B-8
 ; Sequence 8, Application US/08346455B
 ; Patent No. 5731167
 ; GENERAL INFORMATION:
 ; APPLICANT: UNITED STATES OF AMERICA; DEPT.
 ; APPLICANT: OF HEALTH AND HUMAN SERVICES
 ; TITLE OF INVENTION: MOTILITY STIMULATING
 ; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND
 ; TITLE OF INVENTION: THERAPY
 ; NUMBER OF SEQUENCES: 69
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: MORGAN & FINNEGAN
 ; STREET: 345 PARK AVENUE
 ; CITY: NEW YORK

STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/346,455B
FILING DATE: 28-NOV-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/06613
FILING DATE: 24-MAY-1995
PRIOR APPLICATION DATA: 08/249,182
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/822,043
FILING DATE: 17-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36,434
REFERENCE/DOCKET NUMBER: 2026-4149PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 751-6849
TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 11
TYPE: amino acid
TOPOLOGY: linear
US-08-346-455B-8

Query Match 32.5%; Score 27; DB 1; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 6 RPLWI 10
Db 3 QPLWI 7

RESULT 11
US-08-665-202-24
Sequence 24, Application US/08665202
Patent No. 5977322
GENERAL INFORMATION:
APPLICANT: Marks, James D.
TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/665,202
FILING DATE: 13-JUN-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995

STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/346,455B
FILING DATE: 28-NOV-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/06613
FILING DATE: 24-MAY-1995
PRIOR APPLICATION DATA: 08/249,182
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/822,043
FILING DATE: 17-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36,434
REFERENCE/DOCKET NUMBER: 2026-4149PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 751-6849
TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 11
TYPE: amino acid
TOPOLOGY: linear
US-08-346-455B-8

Query Match 32.5%; Score 27; DB 1; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 6 RPLWI 10
Db 3 QPLWI 7

RESULT 11
US-08-665-202-24
Sequence 24, Application US/08665202
Patent No. 5977322
GENERAL INFORMATION:
APPLICANT: Marks, James D.
TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/665,202
FILING DATE: 13-JUN-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995

STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/346,455B
FILING DATE: 28-NOV-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/06613
FILING DATE: 24-MAY-1995
PRIOR APPLICATION DATA: 08/249,182
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/822,043
FILING DATE: 17-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36,434
REFERENCE/DOCKET NUMBER: 2026-4149PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 751-6849
TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 11
TYPE: amino acid
TOPOLOGY: linear
US-08-346-455B-8

Query Match 32.5%; Score 27; DB 2; Length 11;
Best Local Similarity 62.5%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 ATRDRPLW 9
Db 1 AAWDDPLW 8

RESULT 12
US-08-977-221-8
Sequence 8, Application US/08977221
Patent No. 6084069
GENERAL INFORMATION:
APPLICANT: UNITED STATES OF AMERICA; DEPT.
TITLE OF INVENTION: MOTILITY STIMULATING
TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/977,221
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/346,455
FILING DATE: 28-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/249,182
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/822,043
FILING DATE: 17-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36,434
REFERENCE/DOCKET NUMBER: 2026-4149US3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 751-6849
TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:

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; LENGTH: 11
; TYPE: amino acid
; TOPOLOGY: linear
US-08-977-221-8

Query Match      32.5%; Score 27; DB 3; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 RPLWI 10
       :||||
Db      3 QPLWI 7

RESULT 13
US-09-483-831B-8
; Sequence 8, Application US/09483831B
; Patent No. 6417338
; GENERAL INFORMATION:
; APPLICANT: STRACKE, MARY
; APPLICANT: LIOTTA, LANCE
; APPLICANT: SCHIFFMANN, ELLIOTT
; APPLICANT: KRUTZCH, HENRY
; APPLICANT: MURATA, JUN
; TITLE OF INVENTION: MOTILITY STIMULATING PROTEIN USEFUL IN
; FILE REFERENCE: 2026-4149S4
; CURRENT APPLICATION NUMBER: US/09/483.831B
; CURRENT FILING DATE: 2000-01-17
; PRIOR APPLICATION NUMBER: 07/822,043
; PRIOR FILING DATE: 1992-01-17
; PRIOR APPLICATION NUMBER: 08/249,182
; PRIOR FILING DATE: 1994-05-25
; PRIOR APPLICATION NUMBER: 08/346,455
; PRIOR FILING DATE: 1994-11-28
; PRIOR APPLICATION NUMBER: 08/977,221
; PRIOR FILING DATE: 1997-11-24
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-483-831B-8

Query Match      32.5%; Score 27; DB 4; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 RPLWI 10
       :||||
Db      3 QPLWI 7

RESULT 14
US-09-410-551B-39
; Sequence 39, Application US/09410551B
; Patent No. 6503737
; GENERAL INFORMATION:
; APPLICANT: KOSAN BIOSCIENCES, Inc.
; APPLICANT: REEVES, CHRISTOPHER
; APPLICANT: CHU, DANIEL
; APPLICANT: KHOSLA, CHAITAN
; APPLICANT: SANTI, DANIEL
; APPLICANT: WU, KAI
; TITLE OF INVENTION: POLYKETIDE SYNTHASE ENZYMES AND RECOMBINANT DNA
; FILE REFERENCE: 30062-20026.00
; CURRENT APPLICATION NUMBER: US/09/410,551B
; CURRENT FILING DATE: 1999-10-01

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; PRIOR APPLICATION NUMBER: US 60/139,650
; PRIOR FILING DATE: 1999-06-17
; PRIOR APPLICATION NUMBER: US 60/123,810
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/102,748
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic PKS
; OTHER INFORMATION: synthase fragment
US-09-410-551B-39

Query Match      32.5%; Score 27; DB 4; Length 11;
Best Local Similarity 55.6%; Pred. No. 1.4e+02;
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      2 ATRDRPLWI 10
       :||||
Db      2 AFQREPYWI 10

RESULT 15
US-09-315-574-24
; Sequence 24, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:

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; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-24
Query Match      32.5%; Score 27; DB 4; Length 11;
Best Local Similarity 62.5%; Pred. NO. 1.4e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 ATRDRPLW 9
      | | | | |
Db      1 AAWDDPLW 8

Search completed: April 29, 2004, 09:27:27
Job time : 12.85 secs
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-1
Perfect score: 79
Sequence: 1 QNRMKLADCAVGFSGS 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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- 6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	100.0	15	14	US-10-354-240-18
2	53	67.1	15	14	US-10-354-240-17
3	53	67.1	15	14	US-10-354-240-19
4	31	39.2	14	15	US-10-391-634-39
5	29	36.7	12	10	US-09-892-877-310
6	29	36.7	12	10	US-09-948-783-323
7	28	35.4	14	9	US-09-823-829-77
8	28	35.4	14	9	US-09-823-823-77
9	28	35.4	14	12	US-10-393-815-312
10	27	34.2	13	12	US-10-253-286-675
11	27	34.2	13	15	US-10-245-871-675
12	26	32.9	8	12	US-10-367-580-163
13	26	32.9	8	12	US-10-367-593-163
14	26	32.9	8	12	US-10-367-594-163
15	26	32.9	8	12	US-10-367-654-163

16	26	32.9	8	12	US-10-367-658-163	Sequence 163, App
17	26	32.9	8	12	US-10-367-668-163	Sequence 163, App
18	26	32.9	15	14	US-10-354-240-16	Sequence 16, Appl
19	26	32.9	15	14	US-10-354-240-20	Sequence 20, Appl
20	26	32.9	15	15	US-10-407-449-18	Sequence 18, Appl
21	26	32.9	15	15	US-10-407-449-19	Sequence 19, Appl
22	25.5	32.3	15	14	US-10-354-240-123	Sequence 123, App
23	25.5	32.3	15	14	US-10-354-240-124	Sequence 124, App
24	25	31.6	7	11	US-09-261-894-41	Sequence 41, Appl
25	25	31.6	9	15	US-10-448-521-1	Sequence 1, Appl
26	25	31.6	10	11	US-09-261-894-112	Sequence 112, App
27	25	31.6	10	12	US-10-380-147-1	Sequence 1, Appl
28	25	31.6	11	10	US-09-852-910-132	Sequence 132, App
29	25	31.6	11	15	US-10-411-338A-132	Sequence 132, App
30	25	31.6	12	12	US-10-601-837-40	Sequence 40, Appl
31	25	31.6	12	13	US-10-044-034-4	Sequence 4, Appl
32	25	31.6	13	9	US-09-848-164-8	Sequence 8, Appl
33	25	31.6	13	9	US-09-768-872-2	Sequence 2, Appl
34	25	31.6	13	9	US-09-245-487B-23	Sequence 23, Appl
35	25	31.6	13	9	US-09-756-983-8	Sequence 8, Appl
36	25	31.6	13	9	US-09-756-983-14	Sequence 14, Appl
37	25	31.6	13	9	US-09-987-137-7	Sequence 7, Appl
38	25	31.6	13	9	US-09-900-379-8	Sequence 8, Appl
39	25	31.6	13	10	US-09-013-077A-1	Sequence 1, Appl
40	25	31.6	13	11	US-09-261-894-164	Sequence 164, App
41	25	31.6	13	12	US-10-406-783-5	Sequence 5, Appl
42	25	31.6	13	12	US-10-149-135-2194	Sequence 2194, Ap
43	25	31.6	13	12	US-10-149-135-2196	Sequence 2196, Ap
44	25	31.6	13	12	US-10-149-135-2336	Sequence 2336, Ap
45	25	31.6	13	12	US-10-380-147-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-10-354-240-18
; Sequence 18, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 18
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 4
US-10-354-240-18

Query Match 100.0%; Score 79; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.6e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QNRMKLADCAVGFSGS 15
DB 1 QNRMKLADCAVGFSGS 15


```

RESULT 2
US-10-354-240-17
; Sequence 17, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 17
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptosporidia japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 3
US-10-354-240-17

Query Match      67.1%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 QNRMKLADCA 10
Db      6 QNRMKLADCA 15

RESULT 3
US-10-354-240-19
; Sequence 19, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 19
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptosporidia japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 5
US-10-354-240-19

Query Match      67.1%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 QNRMKLADCA 10
Db      6 QNRMKLADCA 15

RESULT 4
US-10-391-634-39
; Sequence 39, Application US/10391634
; Publication No. US20030232359A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
; FILE REFERENCE: D0253HP
; CURRENT APPLICATION NUMBER: US/10/391,634
; CURRENT FILING DATE: 2003-03-18
; PRIOR APPLICATION NUMBER: U.S. 60/365,350
; PRIOR FILING DATE: 2002-03-18
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 39
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION:
US-10-391-634-39

Query Match      39.2%; Score 31; DB 15; Length 14;
Best Local Similarity 54.5%; Pred. No. 98;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Oy      3 RMKLADCAVGF 13
Db      4 RISLVECAVQF 14

RESULT 5
US-09-892-877-310
; Sequence 310, Application US/09892877
; Publication No. US20030077809A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et. al.
; TITLE OF INVENTION: 97 Human secreted proteins
; FILE REFERENCE: PZ028P1
; CURRENT APPLICATION NUMBER: US/09/892,877
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/437,658
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-10
; NUMBER OF SEQ ID NOS: 461
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 310
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION:
US-09-892-877-310

Query Match      36.7%; Score 29; DB 10; Length 12;
Best Local Similarity 57.1%; Pred. No. 1.9e+02;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Oy      8 DCAVGF 14
Db      2 DCQAGVG 8

RESULT 6
US-09-948-783-323
; Sequence 323, Application US/09948783
; Publication No. US20030100051A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et. al.
; TITLE OF INVENTION: 97 Human secreted proteins
; FILE REFERENCE: PZ028P2
US-09-948-783-323

Query Match      67.1%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 QNRMKLADCA 10
Db      6 QNRMKLADCA 15
```

```

; CURRENT APPLICATION NUMBER: US/09/948,783
; CURRENT FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/231,846
; PRIOR FILING DATE: 2000-09-11
; PRIOR APPLICATION NUMBER: 09/892,877
; PRIOR FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: 09/437,658
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/US99/09847
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 60/085,093
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,094
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,105
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,180
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,927
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,906
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,924
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,922
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,921
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,923
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,925
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,928
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,920
; PRIOR FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 323
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-948-783-323

Query Match      36.7%; Score 29; DB 10; Length 12;
Best Local Similarity 57.4%; Pred. No. 1.9e+02;
Matches      4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      8 DCAVGFG 14
Db      2 DCQAGYG 8

RESULT 7
US-09-823-829-77
; Sequence 77, Application US/09823829
; Patent No. US20020146697A1
; GENERAL INFORMATION:
; APPLICANT: Yamamoto, Satoshi
; APPLICANT: Nakamura, Shoko
; APPLICANT: Suzuki, Makoto
; APPLICANT: Kasai, Hiroaki
; APPLICANT: Hamada, Tchrn
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION AND DETECTION OF MICROORGANISMS
; FILE REFERENCE: 12817-004001
; CURRENT APPLICATION NUMBER: US/09/823,829
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 09/208,688
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: JP 97/343316
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO 77
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Xaa at position 9 = Ser or Gln; Xaa at position 10 = Ser or Glu;
; OTHER INFORMATION: position 11 = Lys or Arg; Xaa at position 14 = Ala or Ser

US-09-823-823-77
Query Match      35.4%; Score 28; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches      5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KLADC 9
Db      4 KLADC 8

RESULT 8
US-09-823-823-77
; Sequence 77, Application US/09823823
; Patent No. US2002017192A1
; GENERAL INFORMATION:
; APPLICANT: Yamamoto, Satoshi
; APPLICANT: Kasai, Hiroaki
; APPLICANT: Nakamura, Shoko
; APPLICANT: Suzuki, Makoto
; APPLICANT: Hamada, Tchrn
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION AND DETECTION OF MICROORGANISMS USING
; FILE REFERENCE: 12817-004001
; CURRENT APPLICATION NUMBER: US/09/823,823
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 09/208,688
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: JP 97/343316
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO 77
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Xaa at position 9 = Ser or Gln; Xaa at position 10 = Ser or Glu;
; OTHER INFORMATION: position 11 = Lys or Arg; Xaa at position 14 = Ala or Ser

US-09-823-823-77
Query Match      35.4%; Score 28; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches      5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KLADC 9
Db      4 KLADC 8

RESULT 9
US-10-393-815-312
; Sequence 312, Application US/10393815
; Publication No. US20030224413A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Shimkets, Richard A
; APPLICANT: Leach, Martin
; TITLE OF INVENTION: Nucleic Acids Containing Single Nucleotide Polymorphisms
; TITLE OF INVENTION: And Methods of Use Thereof
; FILE REFERENCE: 15966-534B
; CURRENT APPLICATION NUMBER: US/10/393,815
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: 60/109,024
; PRIOR FILING DATE: 1998-11-17
; NUMBER OF SEQ ID NOS: 320
; SOFTWARE: CuraGen Patent Formatter Version 0.9
; SEQ ID NO 312
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(0)
; OTHER INFORMATION: cSNP translation
;
US-10-393-815-312

```

```

Query Match 35.4%; Score 28; DB 12; Length 14;
Best Local Similarity 62.5%; Pred. No. 3.4e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 2 NEMKLADC 9
||| : ||
Db 4 NRSRLAPC 11

```

```

RESULT 10
US-10-253-286-675
; Sequence 675, Application US/10253286
; Publication No. US2004005881A1
; GENERAL INFORMATION:
; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: II-KEY/ANTIGENIC EPIOTOPE HYBRID PEPTIDE VACCINES
; CURRENT APPLICATION NUMBER: US/10/253,286
; CURRENT FILING DATE: 2003-01-13
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 675
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: II-key/MHC Class II epitope hybrid peptide
; FEATURE:
; OTHER INFORMATION: C-term amidated
;
US-10-253-286-675

```

```

Query Match 34.2%; Score 27; DB 12; Length 13;
Best Local Similarity 54.5%; Pred. No. 4.7e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

```

```

QY 3 RMKLADCAVGF 13
||| : ||
Db 2 RMKLNDSEGF 12

```

```

RESULT 11
US-10-245-871-675
; Sequence 675, Application US/10245871
; Publication No. US20030235594A1
; GENERAL INFORMATION:

```

```

; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: II-KEY/ANTIGENIC EPIOTOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2013
; CURRENT APPLICATION NUMBER: US/10/245,871
; CURRENT FILING DATE: 2003-01-09
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 675
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: II-key/MHC Class II epitope hybrid peptide
; FEATURE:
; OTHER INFORMATION: C-term amidated
;
US-10-245-871-675

```

```

Query Match 34.2%; Score 27; DB 15; Length 13;
Best Local Similarity 54.5%; Pred. No. 4.7e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

```

```

QY 3 RMKLADCAVGF 13
||| : ||
Db 2 RMKLNDSEGF 12

```

```

RESULT 12
US-10-367-580-163
; Sequence 163, Application US/10367580
; Publication No. US20040071720A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, P. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takeuchi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461061
; CURRENT APPLICATION NUMBER: US/10/367,580
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/794,832
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 163
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
;
US-10-367-580-163

```

```

Query Match 32.9%; Score 26; DB 12; Length 8;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 9 CAVGF 13
||| : ||

```

```
Db          4 CALGF 8

RESULT 13
US-10-367-593-163
; Sequence 163, Application US/10367593
; Publication No. US20040071721A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461012
; CURRENT APPLICATION NUMBER: US/10/367,593
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 163
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-367-593-163

Query Match          32.9%; Score 26; DB 12; Length 8;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY          9 CAVGF 13
          ||:||
Db          4 CALGF 8

RESULT 14
US-10-367-594-163
; Sequence 163, Application US/10367594
; Publication No. US20040071722A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461041
; CURRENT APPLICATION NUMBER: US/10/367,594
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/680,806
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 163

Query Match          32.9%; Score 26; DB 12; Length 8;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY          9 CAVGF 13
          ||:||
Db          4 CALGF 8

RESULT 15
US-10-367-654-163
; Sequence 163, Application US/10367654
; Publication No. US20040071723A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461032
; CURRENT APPLICATION NUMBER: US/10/367,654
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 10/171,734
; PRIOR FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/636,295
; PRIOR FILING DATE: 2000-08-10
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 163
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-367-654-163

Query Match          32.9%; Score 26; DB 12; Length 8;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY          9 CAVGF 13
          ||:||
Db          4 CALGF 8

Search completed: April 29, 2004, 10:34:07
Job time : 30.85 secs
```


QY 8 DCAVGF 13
||| ||
Db 1 DCAQGF 6

RESULT 2
US-08-290-448A-43
; Sequence 43, Application US/08290448A
; Patent No. 5698204
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, suite 510
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: August 15, 1994
; APPLICATION NUMBER: US/08/290,448A
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: IMI-018CN
; REFERENCE/DOCKET NUMBER: IMI-018CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-290-448A-43
Query Match 36.7%; Score 29; DB 1; Length 6;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 8 DCAVGF 13
||| ||
Db 1 DCAQGF 6
RESULT 3
US-08-175-069A-43
; Sequence 43, Application US/08175069A
; Patent No. 5776761
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/175,069A
; FILING DATE: December 29, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018DV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-175-069A-43

Query Match 36.7%; Score 29; DB 1; Length 6;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 DCAVGF 13
||| ||
Db 1 DCAQGF 6

RESULT 4
US-08-461-939B-43
; Sequence 43, Application US/08461939B
; Patent No. 6335019
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Methods For Treating Sensitivity To A
; TITLE OF INVENTION: Protein Allergen Using Peptides Which Include A T Cell Epitope
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,939B
; FILING DATE:
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/464,000
FILING DATE: 05-JUN-1995
APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CNDV
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-461-939B-43

Query Match 36.7%; Score 29; DB 4; Length 6;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 8 DCAVGF 13
Db 1 DCAQGF 6

RESULT 5

US-08-464-000-43
Sequence 43, Application US/08464000
Patent No. 6335020
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 60 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,000
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN2
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941

INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-464-000-43

Query Match 36.7%; Score 29; DB 4; Length 6;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 8 DCAVGF 13
Db 1 DCAQGF 6

RESULT 6

US-08-822-586-33
Sequence 33, Application US/08822586
Patent No. 6015890
GENERAL INFORMATION:
APPLICANT: WILLIAM R. JACOBS, JR., JAMES M. MUSSER AND
APPLICANT: AMALIO TELENTO
TITLE OF INVENTION: AN EMBL OPERON OF MYCOBACTERIA AND
TITLE OF INVENTION: MUTANTS THEREOF
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: AMSTER, ROTHSTEIN & EBENSTEIN
STREET: 90 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10016

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH 1.44 Mb STORAGE
MEDIUM TYPE: DISKETTE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/822,586
FILING DATE: MARCH 20, 1997
ATTORNEY/AGENT INFORMATION:
NAME: ELIZABETH A. BOGOSIAN
REGISTRATION NUMBER: 39,911
REFERENCE/DOCKET NUMBER: 96700/437
TELEPHONE: (212) 697-5995
TELEFAX: (212) 286-0854 or 286-0082
TELEX: TWX 710-581-4766
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: internal fragment
US-08-822-586-33

Query Match 36.7%; Score 29; DB 3; Length 10;
Best Local Similarity 77.8%; Pred. No. 48;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 6 LADCAVGF 14
Db 1 LADVAVGF 9

```
RESULT 7
US-09-297-937C-1
; Sequence 1, Application US/09297937C
; Patent No. 6337199
; GENERAL INFORMATION:
; APPLICANT: YUM, Do Young
; APPLICANT: PAN, Jae Gu
; TITLE OF INVENTION: Membrane-Bound Gluconate Dehydrogenase, Gene Sequence
; TITLE OF INVENTION: Encoding the Same and Production of 2-Keto-D-Gluconate
; TITLE OF INVENTION: Using Transformed Recombinant E. Coli
; FILE REFERENCE: P66159JSG
; CURRENT APPLICATION NUMBER: US/09/297,937C
; CURRENT FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: PCT/KR98/00296
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: KR 97-48802
; PRIOR FILING DATE: 1997-09-25
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 1
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Erwinia cyripriedii
US-09-297-937C-1

Query Match          36.18; Score 28.5; DB 4; Length 15;
Best Local Similarity 50.0%; Pred. No. 92;
Matches 7; Conservative 1; Mismatches 5; Indels 1; Gaps 1;

QY 2 NRMKLADC-AVGFG 14
DB 2 NELKKVDVVVGFG 15

RESULT 8
US-09-025-769B-245
; Sequence 245, Application US/09025769B
; Patent No. 6300064
; GENERAL INFORMATION:
; APPLICANT: Knappik, Achim
; APPLICANT: Pack, Peter
; APPLICANT: Ilag, Vic
; APPLICANT: Ge, Liming
; APPLICANT: Moroney, Simon
; APPLICANT: Plueckthun, Andreas
; TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10021
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/025,769B
; FILING DATE: 18-FEB-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 95 11 3021.0
; FILING DATE: 18-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr., Esq.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: MORPHO/5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)596-9000
; TELEFAX: (212)596-9090
; INFORMATION FOR SEQ ID NO: 245:
```

```
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-09-025-769B-245

Query Match          35.4%; Score 28; DB 4; Length 12;
Best Local Similarity 83.3%; Pred. No. 89;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 9 CAVGFG 14
DB 1 CARGFG 6

RESULT 9
US-09-823-823-77
; Sequence 77, Application US/09823823
; Patent No. 6635904
; GENERAL INFORMATION:
; APPLICANT: Yamamoto, Satoshi
; APPLICANT: Kasai, Hiroaki
; APPLICANT: Nakamura, Shoko
; APPLICANT: Suzuki, Makoto
; APPLICANT: Hamada, Tohru
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION AND DETECTION OF MICROORGANISMS USING G
; FILE REFERENCE: 12817-004001
; CURRENT APPLICATION NUMBER: US/09/823,823
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 09/208,688
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: JP 97/343316
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO 77
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Xaa at position 9 = Ser or Gln; Xaa at position 10 = Ser or Glu;
; OTHER INFORMATION: position 11 = Lys or Arg; Xaa at position 14 = Ala or Ser
US-09-823-823-77

Query Match          35.4%; Score 28; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 KLADC 9
DB 4 KLADC 8

RESULT 10
US-09-585-207C-2
; Sequence 2, Application US/09585207C
; Patent No. 6623926
; GENERAL INFORMATION:
; APPLICANT: Lohse, Peter
; APPLICANT: Wright, Martin C.
; APPLICANT: McPherson, Michael
; TITLE OF INVENTION: Methods for Producing 5' Nucleic
; TITLE OF INVENTION: Acid-Protein Conjugates
; FILE REFERENCE: 50036/010002
; CURRENT APPLICATION NUMBER: US/09/585,207C
; CURRENT FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/137,032
; PRIOR FILING DATE: 1999-06-01
; NUMBER OF SEQ ID NOS: 6
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide 1
US-09-585-207C-2

Query Match 32.9%; Score 26; DB 4; Length 13;
Best Local Similarity 66.7%; Pred. No. 2.2e+02;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 9 CAVGFG 14
|: |||
Db 1 CSKGFG 6

RESULT 11
US-08-179-481-23
; Sequence 23, Application US/08179481
; Patent No. 5624816
; GENERAL INFORMATION:
; APPLICANT: CARRAWAY, KERMIT L.
; APPLICANT: CARROTHERS CARRAWAY, CORALIE A.
; APPLICANT: FREGIEN, NEVIS L.
; TITLE OF INVENTION: ONCOGENE PRODUCT LIGAND
; NUMBER OF SEQUENCES: 125
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARY & CUSHMAN
; STREET: 1100 NEW YORK AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3918

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/179,481
FILING DATE: 28-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: US 07/922,521
FILING DATE: 30-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 200702/UM92-08CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-179-481-23

Query Match 32.9%; Score 26; DB 1; Length 15;
Best Local Similarity 44.4%; Pred. No. 2.6e+02;
Matches 4; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 5 KLADCAVGF 13
|: |||
Db 7 RLCHCPVGY 15

RESULT 12
US-08-811-949-33
; Sequence 33, Application US/08811949
; Patent No. 5840533
; GENERAL INFORMATION:
; APPLICANT: NIWA, MINBO
; APPLICANT: SAITO, YOSHIMASA
; APPLICANT: SASAKI, HITOSHI
; APPLICANT: HAYASHI, MASAKO
; APPLICANT: NOTANI, JOUJI
; APPLICANT: KOBAYASHI, MASAKAZU
; TITLE OF INVENTION: TISSUE PLASMINOGEN ACTIVATOR
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/811,949
FILING DATE: 05-MAR-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 18-966-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-811-949-33

Query Match 32.9%; Score 26; DB 2; Length 15;
Best Local Similarity 55.6%; Pred. No. 2.6e+02;
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 7 ADCAVGFGS 15
|: |||
Db 5 SDCYFNGS 13

RESULT 13
US-08-553-257A-57
; Sequence 57, Application US/08553257A
; Patent No. 5994083
; GENERAL INFORMATION:
; APPLICANT: ISTITUTO DI RICERCHE DI BIOLOGIA
; APPLICANT: MOLECOLARE P. ANGELETTI S.p.A.
; APPLICANT: FELICI, Franco
; APPLICANT: LUZZAGO, Alessandra
; APPLICANT: NICOSIA, Alfredo
; APPLICANT: MONACI, Paolo
; APPLICANT: CORTESE, Riccardo
; TITLE OF INVENTION: PROCESS FOR THE PREPARATION OF IMMUNOGENS
; TITLE OF INVENTION: OR DIAGNOSTIC REAGENTS, AND IMMUNOGENS OR
; TITLE OF INVENTION: DIAGNOSTIC REAGENTS THEREBY OBTAINABLE
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark

STREET: 419 Seventh Street N.W. Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/553,257A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/IT94/00054
FILING DATE: 05-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: RM93A000301
FILING DATE: 11-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: FELICI=1
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-553-257A-57
Query Match 32.9%; Score 26; DB 2; Length 15;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 7 ADCAVG 12
DB 7 SDCAAG 12
RESULT 14
US-09-441-992-57
Sequence 57, Application US/09441992
Patent No. 6541210
GENERAL INFORMATION:
APPLICANT: ISTITUTO DI RICERCHE DI BIOLOGIA
MOLECOLARE P. ANGELETTI S.P.A.
FELICI, Franco
LUZZAGO, Alessandra
NICOSIA, Alfredo
MONACI, Paolo
CORTESE, Riccardo
TITLE OF INVENTION: PROCESS FOR THE PREPARATION OF IMMUNOGENS
OR DIAGNOSTIC REAGENTS, AND IMMUNOGENS OR
DIAGNOSTIC REAGENTS THEREBY OBTAINABLE
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W. Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/441,992
FILING DATE: 18-No. 6541210-1999
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/553,257
FILING DATE: <unknown>
APPLICATION NUMBER: RM93A000301
FILING DATE: 11-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: FELICI=1
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 57:
US-09-441-992-57
Query Match 32.9%; Score 26; DB 4; Length 15;
Best Local Similarity 66.7%; Pred. No. 2.6e+02;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 7 ADCAVG 12
DB 7 SDCAAG 12
RESULT 15
US-08-968-676-41
Sequence 41, Application US/08968676
Patent No. 5919639
GENERAL INFORMATION:
APPLICANT: Humphreys, Robert E
APPLICANT: Adams, Sharlene
TITLE OF INVENTION: IMMUNOTHERAPY BY MODULATION OF ANTIGEN
NUMBER OF SEQUENCES: 165
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kevin M. Farrell, P.C.
STREET: P.O. Box 999
CITY: York Harbor
STATE: ME
COUNTRY: USA
ZIP: 03911
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/968,676
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Farrell, Kevin M
REGISTRATION NUMBER: 35,505
REFERENCE/DOCKET NUMBER: REH-9601
TELEPHONE: (207) 363-0558
TELEFAX: (207) 363-0528
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acid
STRANDEDNESS: single

Thu Apr 29 11:08:39 2004

TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-968-676-41
Query Match 31.6%; Score 25; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 NRMKL 6
Db 1 NRMKL 5

Search completed: April 29, 2004, 09:27:26
Job time : 12.85 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds
(without alignments)
134.776 Million cell updates/sec

Title: US-09-308-027A-2
Perfect score: 83
Sequence: 1 GATRDRLPIIFSGN 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0
Maximum DB seq length: 15

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

RESULT 1

6: /cgn2_6/ptodata/2/pubpaa/FC103_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US50_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US50_PUBCOMB.pep.*

Result No.	Score	Query %		Length	DB	ID	Description
		Match					
1	83	100.0	15	14	US-10-354-240-27	Sequence 27, Appl	
2	57	68.7	15	14	US-10-354-240-26	Sequence 26, Appl	
3	57	68.7	15	14	US-10-354-240-28	Sequence 28, Appl	
4	34	41.0	15	14	US-10-059-261-308	Sequence 308, App	
5	33	39.8	15	12	US-10-346-162-161	Sequence 161, App	
6	31	37.3	9	14	US-10-210-148-102	Sequence 102, App	
7	31	37.3	13	12	US-10-383-592A-3	Sequence 3, Appli	
8	31	37.3	13	14	US-10-059-261-343	Sequence 243, App	
9	31	37.3	13	14	US-10-059-261-260	Sequence 260, App	
10	31	37.3	14	14	US-10-059-704-264	Sequence 264, App	
11	30	36.1	7	9	US-09-765-086-145	Sequence 145, App	
12	30	36.1	7	14	US-10-264-374-146	Sequence 146, App	
13	30	36.1	7	14	US-10-378-932-146	Sequence 146, App	
14	29	34.9	6	12	US-10-328-953-39	Sequence 39, Appl	
15	29	34.9	6	12	US-10-367-580-309	Sequence 309, App	

RESULT 2
 US-10-354-240-26
 ; Sequence 26, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akimori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kindo, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103DI
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 26
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12
 US-10-354-240-26

Query Match 68.7%; Score 57; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.013;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATDRPLWI 10
 Db 6 GATDRPLWI 15

RESULT 3
 US-10-354-240-28
 ; Sequence 28, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akimori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kindo, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103DI
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 28
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14
 US-10-354-240-28

Query Match 68.7%; Score 57; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.013;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 RPLWIIFSGN 15
 Db 1 RPLWIIFSGN 10
 RESULT 4
 US-10-059-261-308
 ; Sequence 308, Application US/10059261
 ; Publication No. US20030077826A1
 ; GENERAL INFORMATION:
 ; APPLICANT: EDELMAN, LENA
 ; APPLICANT: JACOTOT, ETIENNE DANIEL FRANCOIS
 ; APPLICANT: BRIAND, JEAN-PAUL
 ; TITLE OF INVENTION: CHIMERIC MOLECULES CONTAINING A MODULE ABLE TO TARGET
 ; TITLE OF INVENTION: SPECIFIC CELLS AND A MODULE REGULATING THE APOPTOGENIC
 ; TITLE OF INVENTION: FUNCTION OF THE PERMEABILITY TRANSITION PORE COMPLEX
 ; TITLE OF INVENTION: (PTPC)
 ; FILE REFERENCE: 03495.0216
 ; CURRENT APPLICATION NUMBER: US/10/059,261
 ; CURRENT FILING DATE: 2002-08-29
 ; PRIOR APPLICATION NUMBER: 60/265,594
 ; PRIOR FILING DATE: 2001-02-02
 ; NUMBER OF SEQ ID NOS: 325
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 308
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 ; OTHER INFORMATION: peptide
 ; OTHER INFORMATION: N-term biotin
 US-10-059-261-308

Query Match 41.0%; Score 34; DB 14; Length 15;
 Best Local Similarity 40.0%; Pred. No. 85;
 Matches 6; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

Qy 1 GATDRPLWIIFSGN 15
 Db 1 GGDHRKQFWYPPGN 15

RESULT 5
 US-10-346-162-161
 ; Sequence 161, Application US/10346162
 ; Publication No. US20030224390A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KANO BIO USA, INC.
 ; APPLICANT: FOWLES, Dana M.
 ; APPLICANT: BARNETT, Thomas R.
 ; APPLICANT: BUSHNER, Benjamin
 ; TITLE OF INVENTION: METHOD OF IDENTIFYING CONFORMATION-SENSITIVE BINDING PEPTIDES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: PAIGE-1H
 ; CURRENT APPLICATION NUMBER: US/10/346,162
 ; CURRENT FILING DATE: 2003-01-17
 ; PRIOR APPLICATION NUMBER: US 09/614,865
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 09/860,688
 ; PRIOR FILING DATE: 2001-05-21
 ; NUMBER OF SEQ ID NOS: 268
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 161
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: synthetic
 US-10-346-162-161
 Query Match 39.8%; Score 33; DB 12; Length 15;

Best Local Similarity 50.0%; Pred. No. 1.2e+02; Mismatches 2; Indels 0; Gaps 0;
Matches 5; Conservative 2;

Qy 6 RPLWIIFSGN 15
Db 4 RPLWLFEGS 13

RESULT 6

US-10-210-148-102
; Sequence 102, Application US/10210148
; Publication No. US20030171280A1
; GENERAL INFORMATION:
; APPLICANT: Soderstrom, Karl Petter
; TITLE OF INVENTION: Compositions And Methods For Modulation Of Immune Response
; FILE REFERENCE: TROM0002
; CURRENT APPLICATION NUMBER: US/10/210,148
; PRIOR FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: PCT/US02/24311
; PRIOR FILING DATE: 2002-07-31
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 102
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-210-148-102

Query Match 37.3%; Score 31; DB 14; Length 9;
Best Local Similarity 56.7%; Pred. No. 1e+06; Mismatches 0; Indels 0; Gaps 0;
Matches 4; Conservative 2;

Qy 6 RPLWII 11
Db 3 RPLWLL 8

RESULT 7

US-10-383-592A-3
; Sequence 3, Application US/10383592A
; Publication No. US20040072146A1
; GENERAL INFORMATION:
; APPLICANT: Jacotot, Etienne Danielle Francois
; APPLICANT: Kroemer, Guido
; APPLICANT: Roques, Bernard Pierre
; APPLICANT: Edelman, Lena
; APPLICANT: Hoebeke, Johan
; APPLICANT: Brenner-Jan, Catherine
; APPLICANT: Anne-Sophie, Belzacq
; TITLE OF INVENTION: MECHANISM OF MITOCHONDRIAL MEMBRANE PERMEABILIZATION BY HIV-1
; TITLE OF INVENTION: VPR, MIMETICS OF Vpr AND METHODS OF SCREENING ACTIVE MOLECULES
; TITLE OF INVENTION: HAVING THE ABILITY TO ALTER AND/OR PREVENT AND/OR MIMIC THE
; TITLE OF INVENTION: INTERACTION OF Vpr WITH ANT
; FILE REFERENCE: 03495.0265-00000
; CURRENT APPLICATION NUMBER: US/10/383,592A
; PRIOR FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: PCT/EP01/11316
; PRIOR FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: 60/232,841
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: 60/231,539
; PRIOR FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ANT-1 peptide
US-10-383-592A-3

Query Match 37.3%; Score 31; DB 12; Length 13;

Best Local Similarity 41.7%; Pred. No. 2.3e+02; Mismatches 5; Indels 0; Gaps 0;
Matches 5; Conservative 2;

Qy 4 RDRPLWIIFSGN 15
Db 2 RHKQFWRYFAGN 13

RESULT 8

US-10-059-261-243
; Sequence 243, Application US/10059261
; Publication No. US20030077826A1
; GENERAL INFORMATION:
; APPLICANT: EDELMAN, LENA
; APPLICANT: JACOTOT, ETIENNE DANIEL FRANCOIS
; APPLICANT: BRIAND, JEAN-PAUL
; TITLE OF INVENTION: CHIMERIC MOLECULES CONTAINING A MODULE ABLE TO TARGET
; TITLE OF INVENTION: SPECIFIC CELLS AND A MODULE REGULATING THE APOPTOGENIC
; TITLE OF INVENTION: FUNCTION OF THE PERMEABILITY TRANSITION PORE COMPLEX
; TITLE OF INVENTION: (PTPC)
; FILE REFERENCE: 03495.0216
; CURRENT APPLICATION NUMBER: US/10/059,261
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/265,594
; PRIOR FILING DATE: 2001-02-02
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 243
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-261-243

Query Match 37.3%; Score 31; DB 14; Length 13;
Best Local Similarity 41.7%; Pred. No. 2.3e+02; Mismatches 5; Indels 0; Gaps 0;
Matches 5; Conservative 2;

Qy 4 RDRPLWIIFSGN 15
Db 2 RHKQFWRYFAGN 13

RESULT 9

US-10-059-261-260
; Sequence 260, Application US/10059261
; Publication No. US20030077826A1
; GENERAL INFORMATION:
; APPLICANT: EDELMAN, LENA
; APPLICANT: JACOTOT, ETIENNE DANIEL FRANCOIS
; APPLICANT: BRIAND, JEAN-PAUL
; TITLE OF INVENTION: CHIMERIC MOLECULES CONTAINING A MODULE ABLE TO TARGET
; TITLE OF INVENTION: SPECIFIC CELLS AND A MODULE REGULATING THE APOPTOGENIC
; TITLE OF INVENTION: FUNCTION OF THE PERMEABILITY TRANSITION PORE COMPLEX
; TITLE OF INVENTION: (PTPC)
; FILE REFERENCE: 03495.0216
; CURRENT APPLICATION NUMBER: US/10/059,261
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/265,594
; PRIOR FILING DATE: 2001-02-02
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 260
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-261-260

Query Match 37.3%; Score 31; DB 14; Length 13;
Best Local Similarity 41.7%; Pred. No. 2.3e+02; Mismatches 5; Indels 0; Gaps 0;
Matches 5; Conservative 2;

Qy 4 RDRPLWIIFSGN 15
Db 2 RHKQFWRYFAGN 13

Db 2 RHQFWRYFAGN 13

RESULT 10
US-10-050-704-264
; Sequence 264, Application US/10050704
; Publication No. US2003005042A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: P2039P1
; CURRENT APPLICATION NUMBER: US/10/050,704
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: 09/584,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 264
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-050-704-264

Query Match 37.3%; Score 31; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 RPLWI 10
Db 2 RPLWI 6

RESULT 11
US-09-765-086-146
; Sequence 146, Application US/09765086
; Patent No. US20010046498A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; APPLICANT: Wadib, Arap
; APPLICANT: Bredesen, Dale E.
; APPLICANT: Ellerby, H. Michael
; TITLE OF INVENTION: Chimeric Prostate-Homing Peptides with
; FILE REFERENCE: P-LJ 3844
; CURRENT APPLICATION NUMBER: US/09/765,086
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US/09/489,582
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 235
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 146
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-09-765-086-146

Query Match 36.1%; Score 30; DB 9; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 7 PLWIFPS 13
Db 1 PKWLIFS 7

RESULT 12

US-10-264-374-146
; Sequence 146, Application US/10264374
; Publication No. US20030113320A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using
; FILE REFERENCE: P-LJ 3203
; CURRENT APPLICATION NUMBER: US/10/264,374
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: US/09/139,802
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 08/926,914
; PRIOR FILING DATE: 1997-09-10
; PRIOR APPLICATION NUMBER: 08/710,067
; PRIOR FILING DATE: 1996-09-10
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 146
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-264-374-146

Query Match 36.1%; Score 30; DB 14; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 7 PLWIFPS 13
Db 1 PKWLIFS 7

RESULT 13
US-10-375-992-146
; Sequence 146, Application US/10375992
; Publication No. US20030152578A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: Tumor Homing Molecules, Conjugates
; NUMBER OF SEQUENCES: 199
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/375,992
; FILING DATE: 27-Feb-2003
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/926,914
; FILING DATE: 10-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2725

```
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 146:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; TOPOLOGY: both
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 146:
US-10-375-992-146

Query Match 36.1%; Score 30; DB 14; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 PLWII 13
DB 1 PKWLLFS 7

RESULT 14
US-10-328-953-39
; Sequence 39, Application US/10328953
; Publication No. US20040071656A1
; GENERAL INFORMATION:
; APPLICANT: Wieland, Felix
; APPLICANT: Hartl, Franz-Ulrich
; TITLE OF INVENTION: Modulation of Heat-Shock-Protein-Based Immunotherapies
; FILE REFERENCE: 11390/46101
; CURRENT APPLICATION NUMBER: US/10/328,953
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: US 60/342,570
; PRIOR FILING DATE: 2001-12-26
; PRIOR APPLICATION NUMBER: US 60/343,884
; PRIOR FILING DATE: 2001-12-28
; PRIOR APPLICATION NUMBER: US 60/372,620
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 60/399,342
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/414,834
; PRIOR FILING DATE: 2002-09-28
; NUMBER OF SEQ ID NOS: 331
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 39
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: peptide in ml3 coliphage
US-10-328-953-39

Query Match 34.9%; Score 29; DB 12; Length 6;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PLWII 11
DB 2 PLWVI 6

RESULT 15
US-10-367-580-309
; Sequence 309, Application US/10367580
; Publication No. US20040071720A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
```

```
;
; FILE REFERENCE: 11746/461061
; CURRENT APPLICATION NUMBER: US/10/367,580
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/794,832
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 309
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-367-580-309

Query Match 34.9%; Score 29; DB 12; Length 6;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PLWII 11
DB 2 PLWVI 6

Search completed: April 29, 2004, 10:34:07
Job time : 30.85 secs
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